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### (54) TRANSFER OF PERSONALISATION ITEMS BETWEEN COMMUNICATION TERMINALS

TRANSFER VON PERSONALISIERUNGSARTIKELN ZWISCHEN  
KOMMUNIKATIONSSENDGERÄTEN

TRANSFERT D'ARTICLES DE PERSONNALISATION ENTRE DES TERMINAUX DE  
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- ETSI: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); User-to-user signalling (UUS) Supplementary Service- Stage 2; (3GPP TS 23.087 version 3.1.0 Release 1999" ETSI TS 123 087 V3.1.0, XX, XX, October 2000 (2000-10), pages 1-59, XP002195708

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## Description

[0001] The invention relates to a communication terminal provided with a processor and an application for handling the transfer of personalisation items during call set up and during a call. The personalisation items are used to make a called person aware of something or just to make the call more personalised.

[0002] The invention relates further to a method of enabling a user to transfer items from a first communication terminal to a second communication terminal, while said communication terminals are in call set up mode or in call mode with by the first terminal sending an item to the second terminal.

## BACKGROUND ART

[0003] In the development of mobile communication there is a strive towards more personalised ways of communication and expression forms. Example of this is the short message service (SMS), chat, picture messaging, animations, ringing tunes, operator logos, vibrations, exchangeable covers and picture holders for personal pictures. Users have however found out that there are some limitations with these features, and have been looking for something more advanced.

[0004] According to the GSM 02.87 specification it is specified a User-to-User Signalling (UUS) supplementary service allows the served subscriber to send/receive a limited amount of subscriber generated information to/from another user in association with a call to the user. The User-to-User Signalling (UUS) channel works in parallel with the speech channel during e.g. call set-up that can be used for communication. The served subscriber can send and receive User-to-User-Information (UUI) in different phases of the call depending on the service(s) to which the subscriber subscribes.

[0005] WO 99/25107 discloses a method which makes possible for an application on a first terminal to transmit data, such as a ringing tone or a personal logotype to an application on a second terminal in connection during call setup in a mobile tele and data communication system. UUS is used as carrier to transfer this data during call setup to the application in the second terminal.

## SUMMARY OF THE INVENTION

[0006] It is an object of the present invention to provide a terminal with improved user control over the receipt of personalisation items in terminals in call setup mode or in call mode.

[0007] This object is obtained by a communication terminal capable of handling a personalisation item transferred from a calling communication terminal, comprising a processor and an application for handling an incoming personalisation item, running on said processor. The application temporarily stores the received personalisation item, and the application has a plurality of user adjustable

settings for handling the incoming personalisation item, whereby the settings comprise at least an "ask first" setting in which the user has an opportunity to decide for each transmission if the received personalisation item is to be performed or not.

[0008] The communication terminal disclosed in WO 99/25107 is not provided with any means for alerting the user that a personalisation item has been received during call setup or during a call. Further, the received personalisation item was automatically performed without asking the user first. The user was therefore confronted with a fait accompli when e.g. an unknown ringing tone started playing.

[0009] The ask first setting is advantageous if the user is generally interested in receiving personalisation items, but wishes to decide on each individually received item, in order to be able to reject items under certain circumstances, or in order to reject certain types of items. Preferably, the application first checks if the received personalisation item can be performed on the terminal concerned, before asking the user if the personalisation item should be performed or not. While requesting the user to perform the personalisation item or not, the terminal may display a note about the item. Preferably, the note describes the personalisation item, so that the user knows e.g. the type of item has been received.

[0010] If the communication terminal comprises an electronic phonebook, the user may choose a setting in which the received personalisation item is not performed for selected phone numbers in the phonebook. Alternatively, the user may choose a setting in which the receiver item is only performed if the calling line identification is present in the phonebook.

[0011] A user will often not be able to decide whether or not to keep a personalisation item received during call setup and/or during a call before being able to inspect it, i.e. in case of a ringing tone the user would often not be able to determine the need to save the received ringing tone before listening to it. It is therefore a further object of the invention to overcome or at least reduce this problem.

[0012] Preferably, the application temporarily stores a received personalisation item and gives the user an opportunity to save the personalisation item in a dedicated memory, preferably after the call is terminated.

[0013] The communication terminal disclosed in WO 99/25107 is not provided with means for allowing the user to inspect/try the received personalisation item before saving it to a dedicated memory. The user had therefore insufficient control over handling of an incoming personalisation item.

[0014] With the present invention the user is alerted that a personalisation item has been received and once alerted about the receipt becomes possible for the user to perform the personalisation item or to reject it. After performing the personalisation item the user can decide to discard or save the temporarily saved personalisation

item. Also, when not needing to inspect the received personalisation item, the user is reminded of the possibility of saving the received personalisation item to a dedicated memory. This allows the reception of a personalisation item to be used by a much larger group of users.

**[0015]** It is another object of the present invention to provide a communication terminal that facilitates sending a personalisation item transferred during call setup or during a call.

**[0016]** This object is achieved by providing a communication terminal capable of transferring a personalisation item to a called communication terminal, comprising a processor, and an application for handling transfer of an outgoing personalisation item, running on said processor. The application has a plurality of user adjustable settings for handling the outgoing personalisation item, whereby the settings comprise at least an "ask first" setting in which the user has an opportunity to decide if the personalisation item is to be sent or not during call setup.

**[0017]** The communication terminal disclosed in WO 99/25107 is not provided with any means for adjusting the behaviour of the communication terminal on a call-to-call with respect to handling outgoing items during call setup or during a call. The user had therefore insufficient control over the outgoing personalisation item.

**[0018]** With the present invention it becomes possible for the user to choose the desired terminal behaviour for an outgoing personalisation item during call setup or during a call. This allows the reception of items to be used by a much larger group of users, and in an enlarged number of situations.

**[0019]** The user can choose a setting in which the terminal asks first if a default personalisation item is to be send. This is advantageous, in particular if the user is generally interested in sending personalisation items, but wishes to decide for each initiated call if a personalisation item is to be send, in order to be able to avoid sending a personalisation item under certain circumstances. The application may further comprise an "On" setting in which a default personalisation item is automatically send upon call initiation. A selection routine can be provided for allowing the user to select a default personalisation item from a menu of pre-defined items in said communication terminal. The application may also comprise a setting in which the default personalisation item is sent to selected phone numbers or groups of phone numbers in the phonebook. It is also possible to for the user to let the default item be dependent on the dialled number.

**[0020]** It is another object of the present invention to improve a method with improved user control over the receipt of a personalisation item in terminals in call setup mode or in call mode.

**[0021]** This object is achieved by providing a method for enabling a user to transfer a personalisation item from a first communication terminal to a second communication terminal, while said communication terminals are in call set up mode or in call mode with each other. The first terminal sends the personalisation item to the second

terminal. The second terminal receives and temporarily stores the personalisation item, the second terminal alerts the user about the receipt of the personalisation item and allows the user to choose to reject or to perform the received personalisation item in the second terminal.

**[0022]** A note about the received item can be displayed, and the user is preferably offered an opportunity to reject the item before the call is established or to perform the item before the call is established. After ending the call, the user is given an opportunity to save the item in a dedicated memory.

**[0023]** When the setting for handling items during call set up of the second terminal is "On", it is verified that the terminal has the item functionality available, and then the item is performed if the item functionality is available.

**[0024]** The second terminal may give the user an opportunity to save the personalisation item in a dedicated memory, preferably after the call is terminated.

**[0025]** A user will often not be able to decide whether or not to keep the personalisation item received during call setup and/or during a call before being able to inspect it, i.e. in case of a ringing tone the user would often not be able to determine the need to save the received ringing tone before listening to it. It is therefore another object of the invention to overcome or at least reduce this problem.

**[0026]** The temporarily saved personalisation item can thus be inspected by the user and thereafter be discarded or saved. Also, when not needing to inspect the received personalisation item, the user is reminded of the possibility of saving the received personalisation item to a dedicated memory.

**[0027]** When the setting for handling items during call set up of the second terminal is "Ask first", the first step after receiving the item is verifying that the terminal has the item functionality available. Then, the user is informed that an item has been received that can be performed, and the user is asked whether the item should be performed.

**[0028]** It is another object of the invention to provide a method for facilitating the transfer items from a first communication terminal to a second communication terminal, while said communication terminals are in call set up mode or in call mode with each other.

**[0029]** This object is achieved by providing a for enabling a user to transfer items from a first communication terminal to a second communication terminal, while the communication terminals are in call set up mode or in call mode with each other comprising the steps of a call being initiated from the first terminal, whereby the first terminal has a plurality of user adjustable settings for the handling of an outgoing personalisation item including an "Ask first" setting and by the step of asking the user whether a personalisation item should be sent or not, when the "Ask first" setting of the first terminal is active.

**[0030]** The user may be allowed to select the item to be sent or before sending. The item to be transferred can

be a default item for all calls originating from the second communication terminal or the item to be transferred can be user selected from a menu of pre-defined items in said communication terminal for each call originating from the second communication terminal. The default item can be dependent on the dialled number. Items can be assigned to selected phone numbers or selected groups of phone numbers to which they are to be sent.

[0031] Figure 13 shows the idle mode display of communication terminals having different number of soft-keys.

#### DETAILED DESCRIPTION OF THE INVENTION

[0032] According to a first aspect the personalisation items transferred during call set up and during a call in a communication terminal according to the invention will be described with reference to a hand portable phone, preferably a cellular/mobile phone. An embodiment of this phone is shown in figure 1, where a cellular/mobile phone 1 is shown in perspective. As will be seen, the phone is provided with a front cover 2 having a window frame 3 encircling the protection window of the display assembly 3. The cellular/mobile phone comprises a user interface having an on/off button 4, a speaker 5 (only openings are shown), a keypad 7, a battery 14, a display/LCD 3 and a microphone 6 (only openings are shown).

[0033] The keypad 7 has a first group of keys 8 as alphanumeric keys, by means of which the user can enter a telephone number, write a text message (SMS), write a name (associated with the phone number), etc. Each of the twelve alphanumeric keys 8 is provided with a figure "0-9" or a sign "#" or "\*", respectively. In alpha mode each key is associated with a number of letters and special signs used in the text editing.

[0034] The keypad 7 additionally comprises two menu selections or soft-keys 9, two call handling keys 12, and a navigation-key 10. The functionality of the soft-key depends on the state of the phone and the navigation in the menu by using a navigation-key. The present functionality of the menu selection keys 9 is shown in separate fields in the display 3 just above the keys 9. The two call handling keys 12 are used for establishing a call or a conference call, terminating a call or rejecting an incoming call. This key layout is characteristic of e.g. the Nokia 6210™ phone.

[0035] The navigation-key 10 is an up/down key and is placed centrally on the front surface of the phone between the display 3 and the group of alphanumeric keys 8. Hereby the user will be able to control this key with his thumb. This is the best site to place an input key requiring precise motor movements. Many experienced phone users are used to one-hand handling. They place the phone in the hand between the fingertips and the palm of the hand. Hereby the thumb is free for inputting information.

[0036] Figure 2 schematically shows the most important parts of a preferred embodiment of the phone/terminal,

said parts being essential to the understanding of the invention. The microphone 6 records the user's speech, and the analogue signals formed thereby are A/D converted in an A/D converter (not shown) before the speech is encoded in an audio part 20. The encoded speech signal is transferred to a processor 18 (physical layer processor), which e.g. supports GSM terminal software. The processor 18 also forms the interface to the peripheral terminals of the apparatus, including RAM and ROM memories 17a and 17b, a SIM card 16, the display 3 and the keypad 7 (from figure 1) as well as data, power supply, etc. The processor 18 controls the communication with the network via the transmitter/receiver circuit 19 and an antenna 21. The audio part 20 speech-decodes the signal, which is transferred from the processor 18 to the speaker 5 via a D/A converter (not shown).

[0037] The processor 18 is via connected a bus 24 to a RAM memory 17a and a Flash ROM memory 17b, a SIM card 16, the display 3 and the keypad 7 (as well as data, power supply, etc.). A phonebook 23 is furthermore connected to the processor 18 via the bus 24. The phonebook 23 may be stored on the SIM card 16, and/or in the Flash ROM memory 17a.

[0038] In the preferred embodiment according to the invention a User-to user signalling unit 22 is controlled by the processor 18 and provides User-to user signalling in a UUS channel according to GSM specification in parallel with the speech channel during e.g. call set-up.

[0039] According to the definition of the GSM 02.87 specification the User-to-User Signalling. (UUS) supplementary service allows the served subscriber to send/receive a limited amount of subscriber generated information to/from another user in association with a call to the user. This information shall be passed transparently (i.e. without modification of contents) through the network. Normally, the network shall not interpret or act upon this information.

[0040] The served subscriber can send and receive User-to-User-Information (UUI) in different phases of the call depending on the service(s) to which the subscriber subscribes.

[0041] These services according to the GSM specification allow the User-to-User-Information to be sent and received during the origination and termination of a call, with User-to-User-Information embedded within call control messages. The service can be activated implicitly by inserting User-to-User-Information when setting up a call or explicitly with an appropriate procedure.

[0042] Alternatively the User-to-User-Information can be sent and received after the served subscriber has received an indication that the remote party is being informed of the call and prior to the establishment of the connection. User-to-User-information sent by the served subscriber prior to receiving the acceptance of the call by the remote party, may as a network option be delivered to the remote party after the call has been established.

[0043] Finally the User-to-User-information can be sent and received only while the connection is established.

lished.

[0044] Preferably the User-to-User-Information service shall allow the transmission of User-to-User-information with the maximum length of 128 octets per message.

[0045] The User-to-User Signalling supplementary service can be delivered only when both subscribers are GSM PLMN/ISDN subscribers or when a non-ISDN network provides a means of conveying the User-to-User-Information.

[0046] Some networks may support the transmission of User-to-User-Information with a maximum length of only 32 octets per message for service 1. In the interworking case only the first 32 octets of User-to-User-Information with more than 32 octets per message shall be transferred. No notification about the limitation of the User-to-User-Information shall be given to any subscriber.

[0047] GSM networks may support the User-to-User Signalling service implicitly requested with 32 octets.

[0048] The network option to allow forwarding of User-to-User Signalling requests and User-to-User-Information only if the forwarding subscriber has the subscription of the relevant User-to-User Signalling service is not supported. The general principle of Completion of Calls to Busy Subscriber supplementary service to retain all information of the original call set-up and reusing this information for the Completion of Calls to Busy Subscriber supplementary service call shall also be valid for the User-to-User Signalling supplementary service. Therefore the User-to-User-Information contained in the original call set-up shall be stored in the network and reused in the Completion of Calls to Busy Subscriber supplementary service call.

[0049] The formal definition of the component types to encode these operations and errors is provided in the UUS supplementary service specification.

[0050] The message structure for the messages used in the UUS supplementary service. The general definition of the message structure and the key to the interpretation can be found in ETSI EN 300 403-1.

[0051] A User-to user information element is to convey information between the users. This information is not interpreted by the network, but is carried transparently and delivered to the receiving user. This information may be called a User-to user information element as shown in figure 3. Byte 8 in the first octet of the User-to user information element is a 0, and the remaining 7 bytes are used as an identifier of the information element. The second octet defines the length of User-to user contents. The third octet includes a protocol discriminator that specifies the protocol of the message being transferred, while the fourth and further octets defines a user information field including the user information sent.

[0052] There are no restrictions on the contents of the user information field. In addition to the user information message, the User-to user information element can be included in the set-up, alerting, connect, disconnect, progress, release and release complete messages.

[0053] According to a preferred embodiment of the in-

vention for handling user information transfer will be explained with reference to figure 4. An SS7 Network 33 is a CCITT specified network interconnecting the individual parts of the system, and this SS7 Network 33 is connected to a Service Control Point 34 (SCP) in a so-called. Intelligent Network (IN) containing billing information for cellular phones, a Home Location Register 35 (HLR) contains a database including relevant subscriber information for the provision of the telecommunication service, and a SMS gateway & SMS interworking Mobile Switching Centre (MSC) 37 for routing a message towards a Mobile Station (the phone 1). A Short Message Service Centre 36 (SMSC) and an SMS gateway & SMS interworking Mobile Switching Centre (MSC) 37 handles and routes the SMS's between the SMSC 36 and the SS7 Network 33.

[0054] From the SS7 Network 33 the call (in parallel with the UUS channel) is routed towards the Mobile Station 1 via a Mobile Switching Center (MSC) 39, and a Base Station Processor 38 (BSC). A Base Transceiver Station (BTS) 40 establishes the air connection towards the Mobile Station 1.

[0055] The preferred embodiment of the communication terminal of the invention is adapted for use in connection with a GSM network, but, of course, the invention may also be applied in connection with other communication terminal networks. It could be cellular networks, various forms of cordless communication terminal systems or in dual band communication terminals accessing sets of these systems/networks.

[0056] The processor 18 is connected to the user interface of the mobile phone. Thus, it is the processor 18, which monitors the activity in the phone and controls the display 3 in response thereto.

[0057] Therefore, it is the processor 18, which detects the occurrence of a state change event and changes the state of the phone and thus the display text. The user may cause a state change event, when he/she activates the keypad 7 including the menu selection key or keys 9, and these type of events are called entry events or user events. However, the network communicating with the communication terminal may also cause a state change event. These type of events and other events beyond the user's control are called non-user events. Non user events comprise status change during call set-up, change in battery voltage, change in antenna conditions, message on reception of SMS, etc.

[0058] The functionality of handling personalisation items in a communication terminal is basically included in the menu structure and will be explained in connection with the menu structure. The starting point in each embodiment is that the communication terminal is in idle mode, which means that the communication terminal is turned on and ready to be used for any possible operation. The idle mode display will differ from embodiment to embodiment depending on the number of soft-keys 9 that are used in each embodiment. In the shown embodiments the communication terminal has two soft-keys,

but it is obvious that communication terminals having one, three or more soft-keys can also be provided with the functionality of handling personalisation items according to the invention. In figure 13 idle mode displays of communication terminals having different number of soft-keys are shown. The other displays (not shown) of the communication terminal having a different number of soft-keys will also be changed accordingly to suit the inventive concept.

**[0059]** Different embodiments of the invention will be described with reference to figures 5a-12 showing displays and flow charts of a communication terminal provided with the functionality of handling personalisation items. First the operational settings of the inventive concept will be described, whereafter operation of the inventive concept will be described.

**[0060]** The operational settings of the personalisation items functionality can be adjusted either as general settings for all calls and all different operational modes, but can also be selected differently for the different operational modes. An operational mode also called a profile is a grove of settings, e.g. way of alert, kind of ringing tone, ringing volume or message alert, that are adjusted to suit a certain environment or preferences. Examples of this could be normal use of the communication terminal, being at a dinner where normal alert preferably is avoided and only vibra-alert is used, attending a meeting where beep alert could be used, connecting a head-set to the communication terminal while on the move or being in a very noisy environment and having the loudspeaker turned on volume full. By selecting a certain mode or profile all these characteristics can easily be changed.

**[0061]** In figure 5a is shown an idle display 50 for the communication terminal or phone 1, which includes two bars indicating the signal strength 53 and the battery level 52. Furthermore there is a time indication 54, an identification 55 of the operator or the network to which the phone 1 is presently connected, and two labels 51 indicating the present functionality (Menu: access to the Menu structure; Names: access to the Phone book) of the two soft-keys 9.

**[0062]** In idle mode the user can select the functions by pressing the left soft-key 9 "Menu" (shown in figure 5a) and scroll down with the navigation-key 10 until display 3 indicates "Settings", like in display 56 in figure 5a. This display includes a header 59 indicating the mode of the display ("Settings"), a menu-level indication 58 in the upper right corner and a picture (not shown) displaying a picture or the like that describes the function of the display menu. The menu-level indication 59 indicates the specified number of the menu currently being shown and can be used to jump directly to that menu without scrolling in the menus with the navigation-key 10. Display 56 also includes an indicator line 57 in the display's right part that indicates with a bend on the line that this menu is one of several other menus on this menu level. It corresponds to the last digit of the menu-level indication 59.

**[0063]** By pressing the left soft-key 9, "Select", when

display 56 "Settings" is shown, the Settings function is activated, step 201, and a display will appear indicating a first sub-menu for settings. If the right soft-key 9, "Exit", is pressed instead, step 299, the communication terminal is brought back to idle mode (idle mode display 50), figure 5. By scrolling down with the navigation-key 10 another sub-menus for different setting will be indicated in the display. One of these sub-menus is display 61 that indicates with a header 60, "Settings for personalisation items".

**[0064]** By pressing the left soft-key 9, "Select", when display 61 "Settings for personalisation items" is shown, the settings function for the personalisation items is activated, step 202, and a display 62 will appear indicating with a header 63 a first setting, "Send personalisation items", for the function. This setting can be changed by pressing the left soft-key 9, "Select", step 203, and the available options for the first setting will be shown in display 64. The available options as shown in display 64 are "On" 65, "Off" 66 and "Ask first" 67 for the functionality of sending a personalised items as standard at each call set-up. One of the options will be highlighted to indicate, which option is executed by pressing the left soft-key 9 "Select". After executing or selecting any of the options by scrolling with the navigation-key 10 and/or pressing left soft-key 9 will the communication terminal be brought back to display 61. In most sub-menus the right soft-key 9, "Back", can be pressed and bring the communication terminal back to the menu-level above the present.

**[0065]** If instead the navigation-key 10 is used to scroll down from display 61 a display 68 will appear indicating with a header 69 a second setting, "Personalisation items", for the function. This setting is used to select a certain personalisation item that is going to be used for sending as default item when the function is turned on. In display 68 it is indicated with a second header 70 the type of personalisation item and the name of the selected item. This setting can be changed by pressing the left soft-key 9, "Select", step 204, and the available personalisation items types for the second setting will be shown in display 71. The available types of personalisation items as shown in display 71 are "Text" 72, "Picture" 73, "Animation" 74 and "Ringing tone" 75. By selecting one of the functions, the selected personalised item will be set as standard for each call set

**[0066]** The first type in display 71 is "Text" 72, which is executed by pressing the left soft-key 9 "Select". By pressing the up/down navigation-key 10 the other possible types: "Picture" 73, "Animation" 74 and "Ringing tone" 75, will be accessible and highlighted on the display instead of "Text". By selecting or executing the first type "Text" 72 a display 114 will appear indicating a list of different text options that can be chosen as default personalisation item. By pressing the left soft-key 9, "Option", a display 134 (see figure 6) will appear indicating some options (Select 135, View 136, Edit 137 and Erase 138) that are available for handling the personalisation item. Naturally there could be other options as well. Any

of the options can be selected by pressing the left soft-key 9, "Select". If the first option "Select" 135 is selected the communication terminal will be brought back to display 71 and the selected personalisation item will be used by default.

[0067] If the second option "View" 136 is selected the text item will be displayed in full in a new display (not shown). This display can be left by pressing the right soft-key 10 "Back" and the communication terminal will be brought back to display 114.

[0068] If the third option "Edit" 137 is selected the text item will be displayed in full in an edit display (not shown), where the text can be edited. The navigation-key 10 is used to move backward and forward, the right soft-key 9 "Clear", to erase text, the keypad 7 to enter new text and the left soft-key 9, "Ready" to finish the editing and returning to display 114.

[0069] If the fourth option "Erase" 138 is selected the text item will be erased, but before a confirmation display (not shown) will be displayed asking the user to confirm the deletion of the text item. The confirmation is executed by pressing the left soft-key 9, "OK", whereafter the communication terminal is brought back to display 114. If instead the right soft-key, "Back", is selected the communication terminal will be brought back to display 134.

[0070] By scrolling down with the navigation-key 10 in display 71 and pressing the left soft-key 9 "Select" a second type of personalisation items, "Picture" 73 is selected, and a display 124 will appear indicating a list of different pictures 125-128 that can be chosen as default personalisation item. The picture items can be handled similar to the way that the text items earlier have been described in connection with display 134 in figure 6.

[0071] By scrolling further down with the navigation-key 10 in display 71 and pressing the left soft-key 9 "Select" a third type of personalisation item, "Animation" 74 is selected, and a display 119 will appear indicating a list of different animations 120-123 that can be chosen as default personalisation item. The animation items can be handled similar to the way that the text items earlier have been described in connection with display 134 in figure 6.

[0072] By scrolling even further down with the navigation-key 10 in display 71 and pressing the left soft-key 9 "Select" a fourth type of personalisation item, "Ringing tone" 75 is selected, and a display 129 will appear indicating a list of different ringing tones 130-133 that can be chosen as default personalisation item. The ringing tone items can be handled similar to the way that the text items earlier have been described in connection with display 134 in figure 6.

[0073] If the scrolling down with the navigation-key 10 is continued from display 61 after display 68 another display 76 will appear indicating with a header 77 a third setting, "Send for", for the function. This setting is used to select to which receivers the personalisation item is going to be sent to. In display 76 it is indicated with a second header 78 for, which receivers the personalisa-

tion item is going to be sent. This setting can be changed by pressing the left soft-key 9, "Select", step 205, and the available receiver groups for the third setting be will displayed in display 79. In display 79 is shown a couple of receiver groups 80,82-84 having a box 81 in front of them that can be checked to indicate that the receiver group located beside the box should be included as default receiver of the personalisation item. The box is checked by pressing the left soft-key 9. When a box 81 not has been checked and is highlighted will the header 51 of the left soft-key indicate "Mark" and when it already has been checked will the header 51 indicate "Unmark" for the left soft-key 9. By pressing the right soft-key 9 "Back" the selection of receiver groups will be executed with a confirmation display (not shown) where the changes are accepted by pressing the left soft-key "Yes" whereafter the communication terminal is brought back to display 76. If instead the changes are rejected by pressing the right soft-key "No" the communication terminal will return to display 79 for further changes.

[0074] If the scrolling down with the navigation-key 10 is further continued from display 68 after display 76 yet another display 85 will appear indicating with a header 86 a fourth setting, "Composer", for the function. This setting is used to create new personalisation item that can be used. The composer can be executed by pressing the left soft-key 9, "Select", step 206, and a display 87 with a list of the available personalisation items 88-91 that can be created are shown. Each of the personalisation item types can be selected for creating new ones by scrolling down with the navigation-key 10 and/or pressing the left soft-key 9 "Select". This will bring the communication terminal to an edit menu (not shown) where the different types of personalisation items 88-91 can be created. After creating a new personalisation items is it saved and the communication terminal is brought back to display 85 by pressing the left soft-key 9. The new personalisation items can be used as default item by entering into display 68 and selecting the new item in the menus.

[0075] In figure 5a is yet another settings display 92 shown to indicate that the settings shown are only examples of possible settings and that many other variants of settings can be used.

[0076] As mentioned earlier the operational settings for the personalisation items functionality can also be adjusted differently for the operational modes or profiles. In figure 5b are shown a couple of displays describing this. In idle mode (display 50) the user can select the functions as earlier described by pressing the left soft-key 9 "Menu" (shown in figure 5a) and scroll down with the navigation-key 10 until display 3 indicates "Profiles", like in display 170 in figure 5b. This display includes a header 171 indicating the mode of the display ("Profiles"), a menu-level indication, in the upper right corner, a picture (not shown) displaying a picture or the like that describes the function of the display menu, and an indicator line in the right part of the display that indicates with a bend on the line that

this menu is one of several other menus on this menu level.

[0077] By pressing the left soft-key 9, "Select", when display 170 "Profiles" is shown, the settings function for the profiles is activated, step 210, and a display 172 will appear indicating a list of profiles 173-176. There could be more profiles than shown in display 172. Each of the profiles 173-176 can be selected by scrolling down with the navigation-key 10 and pressing the left soft-key 9, "Select" when a profile is highlighted. When a profile is selected a display 177 will appear, step 211, indicating different options 178-180 of how the selected profile can be handled. The first option 178 "Activate" is used to execute the selected profile. The first option is executed by pressing the left soft-key 9 "Select", whereafter the communication terminal is brought back to idle mode, display 50, and where a header (not shown) appears in the display indicating the name of the selected profile. The second option 179, "Personalise", is used to set the different settings of the profile: ringing tone, ringing volume, name of the profile, vibra alert, screen saver etc. By pressing the left soft-key 9, "Select", step 212, when the second option 179 is highlighted a display (not shown) will appear with a first setting of the profile. By scrolling down with the navigation-key 10 and passing different other settings for the profile soon a display 181 "Settings for personalisation items" will appear. The setting for personalisation items can be changed by pressing the left soft-key 9 "Select", step 202. This has earlier been described in connection with the general operational settings.

[0078] Another alternative is that it should be possible to set for certain number of the phonebook 23 that personalisation items should be accepted or rejected as default. It can also be possible to set that personalisation items should only be accepted if the calling line identification (CLI) is present

[0079] Now the inventive concept will be described in connection with a call set-up, during a call and for an incoming call. It will be referred to figure 6-8 and the flow charts in figure 10-12.

[0080] Starting from idle mode (display 50 in figure 5a) the user enters the phone number of the receiver that he wants to call by using the numerical keys 8. An example of an entered phone number 101, step 220, is shown in display 101 (see figure 6). After one digit has been entered the label 51 indicating the present functionality of the left-soft-key 9 is changed from "Select" to "Options", and the label 51 indicating the present functionality of the right soft-key 9 is changed from "Names" to "Clear". After the phone number 101 has been entered the user can press the left call handling key 12 to make the call, press the right call handling key 12 to erase all digits entered in one press and return to idle mode, press the right soft-key 9 "Clear" to erase one digit at a time or press the left soft-key 9 "Options" and a display 102 will appear with different options 103-106 how to use the entered phone number 101. There are more options than shown in the display 102, but the options shown have been limited to

a couple to make it more perspicuous. By scrolling down with the navigation-key 10 the fourth option 106 "Include pers. item" can be highlighted and selected by pressing the left soft-key 9 "Select", step 221. A display 107 will appear including a selection of personalisation items 108-113 that can be included in the call set-up. The first item 108 "Default" is the item that has been chosen as default personalisation item for that profile or as a general personalisation item for all modes or profiles. How this default personalisation item has been chosen has earlier been described in connection with the operational settings. If the first item 108 "Default" is selected, step 222, by pressing the left soft-key 9 "Select", the communication terminal will return to display 102. The call set-up process can be started by scrolling down/up in the menu until the "Call" alternative is highlighted and pressing left soft-key 9 "Select" or pressing the left call handling-key 12. The communication terminal checks with the network that it supports User-User signalling, step 224, and adds the personalisation item to the data field of the UUS element and sends the UUS element via the UUS channel, step 225. When the UUS element is transferred to the receiver and the call set-up is finished the call is established, step 226.

[0081] If other than the default personalisation item is preferred, the navigation-key 10 is used to scroll down until any of the other items 109-113 is highlighted and select the preferred item by pressing the left soft-key 9 "Select", step 223. If a new personalisation item is preferred the item 109 "Composer" should be selected and a display similar to display 87 will appear and a new personalisation item can be created. How a new personalisation item can be created has earlier been described in connection with the composer in the operational settings. After the new personalisation item has been created the communication terminal will return to display 102. The call set-up process can be started as described above for the default item 108. If a text item 110 is wanted display 114 will appear after item 110 "Text" has been selected in display 107. Display 114 includes a list of different standard or pre-made text items 115-118. More text items can be shown if the navigation-key 10 is used to scroll down in the list. A preferred text item 110 is highlighted with the navigation-key 10 and selected by pressing the left soft-key 9 "Options". After the selection a display 134 will appear with some options of ("Select" 135, "View" 136, "Edit" 137 and "Erase" 138) how the selected text item can be handled. How these options works has earlier been described in connection figure 5a and 5b and the operational settings. After the text item has been handled and selected the communication terminal will return to display 102. The call set-up process can be started as described above for the default item 108 and the composer item 109. If any of the "Animation" item 111, the "Picture" item 112 or the "Ringing tone" item 113 is selected a procedure similar to the one for the "Text" item 110 will be repeated.

[0082] According to the part describing the settings the

list  
data  
for call  
mode

personalisation items functionality can have at least operations, e.g. "On", "Off" and "Ask first". With the "Off" setting personalisation items will not be sent or received by the communication terminals. If a personalisation item is sent by a first communication terminal, but not accepted or received by the second communication terminal the first communication terminal will be notified that the personalisation item was not received by the second communication terminal.

**[0083]** When a communication terminal with the "Ask first" setting detects an incoming call, step 250, and when a personalisation item is attached to the call the communication terminal will check if the receiving terminal has the personalisation item functionality available, step 251. If the functionality is available an alert note 149 "Personalisation item attached to call" will be shown in the display 148, step 252. If the personalisation item functionality is not available the incoming call will be alerted in the normal way. The alert note 149 informs the called user that a personalisation item is attached to the call and it can be displayed if desired. By pressing the left soft-key 9 "Options" the different options 151-153 can be shown in display 150. The first option 151 "Answer" means that the personalisation item is accepted and performed, step 254, and the call is established, step 255. it is executed by pressing the left soft-key 9 "Select". Examples of performed personalisation items 141, 145 and 147 are shown in display 140, 144 and 146. Picture 140 also includes a header 143 indicating the calling person if the calling line identification (CLI) is present, a phone icon 142 indicating that the terminal is in call mode. If instead the right soft-key 9 "Back" is pressed while being in display 150 will the communication terminal be brought to display 154 having another header indication 51 for the right soft-key 9 compared with display 148. If the second option 152 "Reject" is selected the call set-up is ended, step 259. When the third option 153 "Reject item" is selected the incoming call will be accepted and established, step 255, but the personalisation item will not be displayed. After a call has been finished, step 257, the receiver will be given the opportunity, step 260, to save the received personalisation item in a dedicated memory, step 261. After this the communication terminal is brought back to idle mode, step 262.

**[0084]** In an alternative embodiment the receiver of the personalisation item should have the opportunity to also inspect the personalisation item prior to accept the transferred personalisation item and answering the call.

**[0085]** When a communication terminal with the "On" setting detects an incoming call, step 250, and when a personalisation item is attached to the call the communication terminal will check if the receiving terminal has the personalisation item functionality available or not, step 251. If the functionality is available the communication terminal will perform the personalisation item, step 254 otherwise the incoming call will be alerted in the normal way. Examples of performed personalisation items 141, 145 and 147 are shown in display 140, 144 and 146.

The user of the communication terminal has the normal options to "Answer" 151, step 255, or to "Reject" 152 the call, step 256, as shown in display 156. Display 156 is accessed by pressing the left soft-key 9 "Select". If instead the right soft-key 9 "Back" is pressed while being in display 156 the communication terminal will be brought to display 155 having another header indication 51 for the right soft-key 9 compared with displays 140, 144 or 146. After a call has been finished, step 257, the receiver will be given the opportunity, step 260, to save the received personalisation item in a dedicated memory, step 261. After this the communication terminal is brought back to idle mode, step 262.

**[0086]** In figure 8 is shown a display 157 when a call is established and in progress. The display also includes a header 159 indicating what call is in progress and a phone icon 158 indicating that the terminal is in call mode. The right soft-key 9 "Hold" can be used for putting the call on hold. By pressing the left soft-key 9 "Options" will a display 160 appear indicating a list of different options 161-164. There could more options available if the navigation-key 10 is used to scroll down the list, but to make it more perspicuous the display 159 has been limited to the options shown. By scrolling down in the list the "Send pers. Item" option 164 can be highlighted. When pressing the left soft-key 9 "Select" and thereby selecting the "Send pers. Item" option 164, step 271, a display 165 will appear, step 272, with a list of the different personalisation item types. There could naturally be more options like default or composer as shown in display 107 (see figure 6). By scrolling up/down with the navigation-key 10 in the list the a preferred option can be highlighted and by pressing the left soft-key 9 "Select" the preferred option can be selected, step 273 (default personalisation item), step 274 (compose a new personalisation item) and step 275 (select standard/pre-made personalisation item). The communication terminal checks with the network that it supports User-User signalling (UUS), step 276, and adds the personalisation item to the data field of the UUS element and sends the UUS element via the UUS channel, step 277. When the UUS element is transferred to the receiver and a confirmation notification has been displayed in the display (not shown) the communication terminal is brought back to display 157, step 278. If the network does not support User-User signalling a notification will be displayed (not shown) in the display and the voice call is continued, step 278.

**[0087]** A received personalisation item can be saved in dedicated memories of the receiving terminal as previously mentioned. For example a ringing tone received as a personalisation item can be assigned as calling line identification (CU) ringing tone to the caller's phone number in the phonebook of the receiving communication terminal. Another example is that a picture or icon received as a personalisation item can be assigned as calling line identification (CLI) icon to the caller's phone number in the phonebook.

**[0088]** Except the earlier examples of text messages,

*Relink  
to cl  
28*

pictures, animation or ringing tones should be noted that any item suitable for increase the personalisation of the communication terminal and possible to send parallel with call could be included as personalisation item. Examples of other items are logos, business etc.

[0089] The invention is not limited to the above-described examples or to the drawings showing examples of an embodiment, but can be varied within the scope of the appended claims. For example a communication terminal having only two soft-keys has been shown and described, but it is obvious that communication terminals having one, three or more soft-keys can also be provided with the functionality of handling personalisation items according to the invention. The displays of the communication terminal are changed to suit the inventive concept

### Claims

1. A method for enabling a user to handle on a second communication terminal (1) a personalisation item (72-75) received from a first communication terminal (1), while said communication terminals (1) are in call set up mode or in call mode with each other comprising the steps of:

- the first terminal (1) sending a personalisation item to the second terminal (1),
- the second terminal (1) receiving and temporarily storing the personalisation item,

#### characterized by

- the second terminal (1) alerting the user about the receipt of the personalisation item and
- allowing the user to choose to reject (153) or to perform (151) the received personalisation item in the second terminal (1).

2. A method according to claim 1, **characterized by** comprising the step of displaying a note to alert the user about the receipt of the personalisation item.

3. A method according to claim 2, **characterized by** comprising the step of:

- allowing the user to reject the personalisation item and the incoming call simultaneously (152) if the personalisation item is received during call setup.

4. A method according to claim 2 or 3, **characterized by** comprising the step of:

- the second terminal (1), giving the user an opportunity (260) to save the personalisation item in a dedicated memory (261), preferably after

the call is terminated.

5. A method according to claim 4, **characterized by** comprising the step of:

- verifying that the terminal has the functionality associated with the personalisation item available (251), before displaying the note (149).

6. A method according to any of claims 2 to 5, **characterized by** comprising the step of allowing the user to reject the personalisation item before the call is established when the personalisation item is transferred during call setup.

7. A method according to any of claims 2 to 6, **characterized by** comprising the step of allowing the user to perform the personalisation item before the call is established when the personalisation item is transferred during call setup.

8. A method according to claim 1 **characterized by** the steps of:

- receiving the personalisation item,
- verifying that the terminal has the functionality associated with the personalisation item available (251), and
- performing the item if the item functionality is available (254),

when the setting for handling personalisation items received during call set up of the second terminal (1) is "On".

9. A method according to any of claims 1 to 8, **characterized in that** the transferred personalisation item can be handled as to be displayed in the communication terminal display (3) of said receiving communication terminal (1).

10. A method according to any of claims 1 to 9, **characterized in that** the transferred personalisation item can be handled as to be played on said receiving communication terminal (1).

11. A method according to any of claims 1 to 10, **characterized in that** the transferred personalisation item can be handled as to be stored in a dedicated memory or a temporary memory of said receiving communication terminal (1), the transferred personalisation item can be subsequently deleted.

12. A method according to any of claims 1 to 11, **characterized in that** the transferred personalisation item can be assigned as calling line identification (CLI) ringing tone to the originator's phone number in the phonebook (23) of the receiving communication terminal (1).

tion terminal (1).

13. A method according to any of claims 1 to 12, **characterized in that** the transferred personalisation item can be stored as calling line identification icons that are transferred to the called communication terminal (1) connected to each calling line identification. 5
14. A method according to any of claims 1 to 13, **characterized in that** the second communication terminal (1) can be set to accept or reject any personalisation item transferred from selected phone numbers in the phonebook (23) of the second communication terminal (1). 10
15. A method according to any of claims 1 to 14, **characterized in that** the receiving communication terminal (1) can be set to only accept the transferred personalisation item if the calling line identification (CLI) is present in the phonebook (23) of the receiving communication (1). 15
16. A method according to any of claims 1 to 15, **characterized in that** the transferred personalisation item contains text messages (72), ringing tones (75), pictures (73), animations (74), logos, business cards or other information with a personal character. 20
17. A method according to any of claims 1 to 16, **characterized in that** a note (149) about the transferred personalisation item is displayed on the display (3) of the communication terminal (1). 25
18. A method of enabling a user to transfer a personalisation item from a first communication terminal (1) to a second communication terminal (1), while the communication terminals are in call set up mode or in call mode with each other comprising the steps of: 30
  - a call being initiated from the first terminal (220), 35

**characterized by**

- the first terminal (1) having a plurality of user adjustable settings (202) for the handling of an outgoing personalisation item including an "Ask first" setting and by the step of asking the user whether a personalisation item should be sent or not (221), when the "Ask first" setting of the first terminal (1) is active. 45
19. A method according to claim 18, **characterized by** the step of transferring a personalisation item for each initiated call from the first communication terminal (1), the personalisation item to be transferred preferably being a default personalisation item (222) for all calls originating from the second communication terminal (1) or the personalisation item to be transferred being user selected (223) from a menu of pre-defined personalisation item sets in said communication terminal (1) for each call originating from the second communication terminal (1). 50

tion terminal (1) or the personalisation item to be transferred being user selected (223) from a menu of pre-defined personalisation item sets in said communication terminal (1) for each call originating from the second communication terminal (1).

20. A method according to claim 18 or 19, **characterized by** the default personalisation item set being dependent on the dialled number. 55
21. A method according to claim 18, **characterized by** the first terminal having a setting for selecting one or more groups of receivers to which a personalisation item is to be sent, the first terminal (1) verifying that the second terminal belongs to a group of receivers (81-85) for which a personalisation item is to be sent, and if verified positively, sending a personalisation item.
22. A method according to claim 21, **characterized by** a personalisation item being assigned to selected phone numbers or selected groups of phone numbers (80,82-84) to which they are to be sent.
23. A method according to any of claims 18 to 22, **characterized in that** the transferred personalisation item contains text messages (72), ringing tones (75), pictures (73), animations (74), logos, business cards or other information with a personal character.
24. A communication terminal (2) capable of handling a personalisation item transferred from a calling communication terminal (1) when said terminals are in call set up mode or in call mode, comprising:
  - a processor (18), and
  - an application adapted for handling an incoming personalisation item, running on said processor,
  - the application being adapted to temporarily store the received personalisation item,

**characterized in that**

- the application has a plurality of user adjustable settings (202) for handling the incoming personalisation item, whereby the settings comprise at least an "ask first" setting in which the user has an opportunity (253) to decide for each transmission if the received personalisation item is to be performed or not.
25. A communication terminal (1) according to claim 24, **characterized in that** the application is adapted to give the user an opportunity to save the personalisation item in a dedicated memory, preferably after the call is terminated. 55

26. A communication terminal (1) according to claim 25, **characterized in that** the application further comprises an "On" setting in which the received personalisation item is automatically performed (254) upon receipt. 5
27. A communication terminal (1) according to claim 25 or 26, **characterized in that** the communication terminal (1) is a mobile phone with an electronic phonebook (23), whereby the application further comprises a setting in which the received personalisation item is not performed for selected phone numbers in the phonebook (23). 10
28. A communication terminal (1) according to any of claims 25 to 27, **characterized in that** the communication terminal (1) is a mobile phone with an electronic phonebook (23), whereby the application further comprises a setting in which the received personalisation item is only performed if the calling line identification (CLI) is present in the phonebook (23). 15 20
29. A communication terminal (1) according to claim 25 to 28, **characterized in that** the application comprises a routine for identifying the transferred personalisation item. 25
30. A communication terminal (1) according to claim 25 to 29, **characterized in that** the application comprises a routine for analyzing the character of the transferred personalisation item upon detecting a transferred personalisation item. 30
31. A communication terminal (1) according to claim 25 to 30, **characterized in that** the application comprises a routine for displaying a note (149) about the transferred personalisation item in the communication terminal display (3). 35
32. A communication terminal (1) according to any of claims 25 to 31, **characterized in that** the transferred personalisation item includes an electronic representation of a personalisation item, whereby the application comprises a routine for automatically using the personalisation item in the called communication terminal (1) in order to display, play, store or in any other way use the personalisation item in the communication terminal (1). 40 45
33. A communication terminal (1) according to any of claims 25 to 32, wherein the terminal (1) is a mobile phone and the personalisation item includes a ringing tone (75), whereby the application comprises a routine for automatically storing, upon request from the user, the received ringing tone in a ringing tone database and setting the received ringing tone as alert signal for the phone number of the sending terminal (1) in the phonebook (23) database. 50 55
34. A communication terminal (1) according to any of claims 25 to 33, **characterized in that** the transferred personalisation item includes text messages (72), ringing tones (75), pictures (73), animations (74), logos, business cards or other information with a personal character.
35. A communication terminal (1) capable of transferring a personalisation item to a called communication terminal (1) during call setup and/or during a call, comprising:
- a processor (18), and
  - an application for handling outgoing personalisation item, running on said processor,
- characterized in that**
- the application has a plurality of user adjustable settings (202) for handling the outgoing personalisation item,
  - whereby the settings comprise at least an "ask first" setting in which the user has an opportunity to decide if the personalisation item is to be sent or not.
36. A communication terminal (1) according to claim 35, **characterized in that** the application further comprises an "On" setting in which a default personalisation item is automatically sent upon call initiation.
37. A communication terminal (1) according to claim 36, **characterized in that** the application comprises a selection routine for allowing the user to select a default personalisation item from a menu of pre-defined personalisation item sets in said communication terminal (1).
38. A communication terminal (1) according to any of claims 35 to 37, **characterized in that** the communication terminal (1) is a mobile phone with an electronic phonebook (23), whereby the application further comprises a setting in which the default personalisation item set is sent to selected phone numbers or groups of phone numbers in the phonebook (23).
39. A communication terminal (1) according to any of claims 35 to 38, **characterized in that** the communication terminal (1) is a mobile phone, whereby the default personalisation item is dependent on the dialled number.
40. A communication terminal (1) according to any of claims 35 to 39, **characterized in that** the transferred personalisation item contains text messages (72), ringing tones (75), pictures (73), animations (74), logos, business cards or other information with a personal character.

## Patentansprüche

1. Verfahren, um einem Anwender zu ermöglichen, ein Personalisierungsobjekt (72-75), das von einem ersten Kommunikations-Endgerät (1) empfangen wird, auf einem zweiten Kommunikations-Endgerät (1) zu handhaben, während sich die Kommunikations-Endgeräte (1) in einem Anruf-Einrichtungs-Modus oder in einem Anrufmodus miteinander befinden, umfassend die Schritte:
  - Senden eines Personalisierungsobjekts an das zweite Endgerät (1) durch das erste Endgerät (1),
  - Empfangen und temporäres Speichern des Personalisierungsobjekts durch das zweite Endgerät (1),
  - gekennzeichnet durch**
  - Alarmieren des Anwenders durch das zweite Endgerät (1) über den Erhalt des Personalisierungsobjekts, und
  - dem Anwender gestatten, zu wählen, ob das empfangene Personalisierungsobjekt in dem zweiten Endgerät (1) abgelehnt (153) oder ausgeführt (151) wird.
2. Verfahren gemäß Anspruch 1, **dadurch gekennzeichnet, dass es den Schritt umfasst, einen Hinweis anzuzeigen, um den Anwender über den Erhalt des Personalisierungsobjekts zu alarmieren.**
3. Verfahren gemäß Anspruch 2, **dadurch gekennzeichnet, dass es den Schritt umfasst:**
  - dem Anwender gestatten, das Personalisierungsobjekt und den eingehenden Anruf gleichzeitig abzulehnen (152), wenn das Personalisierungsobjekt während des Einrichtens des Anrufs empfangen wird.
4. Verfahren gemäß Anspruch 2 oder 3, **dadurch gekennzeichnet, dass es den Schritt umfasst:**
  - dem Anwender durch das zweite Endgerät eine Gelegenheit geben (260), das Personalisierungsobjekt in einem dedizierten Speicher zu sichern (261), vorzugsweise nachdem der Anruf beendet ist.
5. Verfahren gemäß Anspruch 4, **dadurch gekennzeichnet, dass es den Schritt umfasst:**
  - Prüfen, ob das Endgerät die Funktionalität verfügbar hat (251), die mit dem Personalisierungsobjekt verknüpft ist, bevor der Hinweis (149) angezeigt wird.
6. Verfahren gemäß einem der Ansprüche 2 bis 5, **dadurch gekennzeichnet, dass es den Schritt umfasst, dem Anwender zu gestatten, das Personalisierungsobjekt abzulehnen, bevor der Anruf aufgebaut wird, wenn das Personalisierungsobjekt während des Anrufeinrichtens übertragen wird.**
7. Verfahren gemäß einem der Ansprüche 2 bis 6, **dadurch gekennzeichnet, dass es den Schritt umfasst, dem Anwender zu gestatten, das Personalisierungsobjekt auszuführen, bevor der Anruf aufgebaut wird, wenn das Personalisierungsobjekt während des Anrufeinrichtens übertragen wird.**
8. Verfahren gemäß Anspruch 1, **gekennzeichnet durch die Schritte:**
  - Empfangen des Personalisierungsobjekts,
  - Prüfen, ob das Endgerät die Funktionalität verfügbar hat (251), die mit dem Personalisierungsobjekt verknüpft ist, und
  - Ausführen (254) des Objekts, falls die Objekts-Funktionalität verfügbar ist,

wenn die Einstellung für ein Handhaben von Personalisierungsobjekten, die während der Anrufeinrichtung empfangen werden, des zweiten Endgeräts (1) "An" ist.
9. Verfahren gemäß einem der Ansprüche 1 bis 8, **dadurch gekennzeichnet, dass das übertragene Personalisierungsobjekt gehandhabt werden kann, um in der Anzeige (3) des Kommunikationsendgeräts des empfangenden Kommunikationsendgeräts (1) angezeigt zu werden.**
10. Verfahren gemäß einem der Ansprüche 1 bis 9, **dadurch gekennzeichnet, dass das übertragene Personalisierungsobjekt gehandhabt werden kann, um auf dem empfangenden Kommunikationsendgerät (1) abgespielt zu werden.**
11. Verfahren gemäß einem der Ansprüche 1 bis 10, **dadurch gekennzeichnet, dass das übertragene Personalisierungsobjekt gehandhabt werden kann, um in einem dedizierten Speicher oder einem temporären Speicher des empfangenden Kommunikationsendgeräts (1) gespeichert zu werden, wobei das übertragene Personalisierungsobjekt anschließend gelöscht werden kann.**
12. Verfahren gemäß einem der Ansprüche 1 bis 11, **dadurch gekennzeichnet, dass das übertragene Personalisierungsobjekt in dem Telefonbuch (23) des empfangenden Kommunikationsendgeräts (1) der Telefonnummer des Urhebers als Anschlusskennungs-(CLI) Klingelton zugewiesen werden kann.**

13. Verfahren gemäß einem der Ansprüche 1 bis 12, **dadurch gekennzeichnet**, dass das übertragene Personalisierungsobjekt als Anrufkennungs-Piktogramme gespeichert werden kann, die an das angerufene Kommunikationsendgerät (1) übertragen werden, verbunden mit jeder Anrufkennung. 5
14. Verfahren gemäß einem der Ansprüche 1 bis 13, **dadurch gekennzeichnet**, dass das zweite Kommunikationsendgerät (1) eingestellt werden kann, um jedes Personalisierungsobjekt, das von ausgewählten Telefonnummern in dem Telefonbuch (23) des zweiten Kommunikationsendgeräts (1) übertragen wird, zu akzeptieren oder abzulehnen. 10
15. Verfahren gemäß einem der Ansprüche 1 bis 14, **dadurch gekennzeichnet**, dass das empfangende Kommunikationsendgerät (1) so eingestellt werden kann, dass es das übertragene Personalisierungsobjekt nur dann akzeptiert, wenn die Anschlusskennung (CLI) in dem Telefonbuch (23) des empfangenden Kommunikationsendgeräts (1) vorhanden ist. 15
16. Verfahren gemäß einem der Ansprüche 1 bis 15, **dadurch gekennzeichnet**, dass das übertragene Personalisierungsobjekt Textnachrichten (72), Klingeltöne (75), Bilder (73), Animationen (74), Logos, Visitenkarten oder andere Informationen mit einem persönlichen Charakter umfasst. 20
17. Verfahren gemäß einem der Ansprüche 1 bis 16, **dadurch gekennzeichnet**, dass ein Hinweis (149) über das übertragene Personalisierungsobjekt auf der Anzeige (3) des Kommunikationsendgeräts (1) angezeigt wird. 25
18. Verfahren, um einem Anwender zu ermöglichen, ein Personalisierungsobjekt von einem ersten Kommunikations-Endgerät (1) an ein zweites Kommunikations-Endgerät (1) zu übertragen, während sich die Kommunikations-Endgeräte in einem Anruf-Einrichtungs-Modus oder in einem Anrufmodus miteinander befinden, umfassend die Schritte: 30
- Einleiten eines Anrufs von dem ersten Endgerät (220), 35
- dadurch gekennzeichnet**, dass
- das erste Endgerät (1) eine Vielzahl von Einstellungen (202) aufweist, die vom Anwender einstellbar sind, ein abgehendes Personalisierungsobjekt zu handhaben, einschließlich einer "zuerst fragen" -Einstellung und durch den Schritt den Anwender zu fragen, ob ein Personalisierungsobjekt gesendet werden soll oder nicht (221), wenn die "zuerst fragen" -Einstellung des ersten Endgeräts (1) aktiv ist. 40
19. Verfahren gemäß Anspruch 18, **gekennzeichnet durch** den Schritt des Übertragens eines Personalisierungsobjekts für jeden eingeleiteten Anruf von dem ersten Kommunikations-Endgerät (1), wobei das zu übertragende Personalisierungsobjekt vorzugsweise ein Standard-Personalisierungsobjekt (222) für alle Anrufe ist, die vom dem zweiten Kommunikations-Endgerät (1) ausgehen, oder wobei das zu übertragende Personalisierungsobjekt vom Anwender aus einem Menü von vordefinierten Personalisierungsobjekts-Sätzen in dem Kommunikations-Endgerät (1) für jeden Anruf ausgewählt (223) wird, der von dem zweiten Kommunikations-Endgerät (1) ausgeht. 45
20. Verfahren gemäß Anspruch 18 oder 19, **dadurch gekennzeichnet**, dass der Standard-Personalisierungsobjekt-Satz von der gewählten Nummer abhängt. 50
21. Verfahren gemäß Anspruch 18, **dadurch gekennzeichnet**, dass das erste Endgerät eine Einstellung zum Auswählen von einer oder mehreren Gruppen von Empfängern aufweist, an die ein Personalisierungsobjekt gesendet werden soll, wobei das erste Endgerät (1) prüft, ob das zweite Endgerät zu einer Gruppe von Empfängern (81-85) gehört, für die ein Personalisierungsobjekt gesendet wird und, wenn positiv geprüft, ein Personalisierungsobjekt sendet. 55
22. Verfahren gemäß Anspruch 21, **dadurch gekennzeichnet**, dass ausgewählten Telefonnummern oder ausgewählten Gruppen von Telefonnummern (80,82-84) ein Personalisierungsobjekt zugewiesen wird, an die sie zu senden sind.
23. Verfahren gemäß einem der Ansprüche 18 bis 22, **dadurch gekennzeichnet**, dass das übertragene Personalisierungsobjekt Textnachrichten (72), Klingeltöne (75), Bilder (73), Animationen (74), Logos, Visitenkarten oder andere Informationen mit einem persönlichen Charakter umfasst.
24. Kommunikations-Endgerät (2), das in der Lage ist, ein Personalisierungsobjekt, das von einem anrufenden Kommunikations-Endgerät (1) übertragen wird, zu handhaben, wenn sich die Endgeräte in einem Anruf-Einrichtungsmodus oder in einem Anrufmodus befinden, umfassend:
- einen Prozessor (18),
  - eine Anwendung, die zum Handhaben eines eingehenden Personalisierungsobjekts angepasst ist, die auf dem Prozessor läuft,
  - wobei die Anwendung angepasst ist, um das empfangene Personalisierungsobjekt temporär zu speichern,

**dadurch gekennzeichnet, dass**

- die Anwendung eine Vielzahl von Einstellungen (202) aufweist, die vom Anwender einstellbar sind, zum Handhaben des eingehenden Personalisierungsobjekts, wobei die Einstellungen mindestens eine "zuerst fragen" -Einstellung umfassen, worin der Anwender eine Gelegenheit (253) hat, für jede Übermittlung zu entscheiden, ob das empfangene Personalisierungsobjekt ausgeführt werden soll oder nicht.
- 25. Kommunikations-Endgerät (1), gemäß Anspruch 24, **dadurch gekennzeichnet, dass** die Anwendung angepasst ist, um dem Anwender eine Gelegenheit zu geben, das Personalisierungsobjekt in einem dedizierten Speicher zu sichern, vorzugsweise nachdem der Anruf beendet ist.
- 26. Kommunikations-Endgerät (1) gemäß Anspruch 25, **dadurch gekennzeichnet, dass** die Anwendung weiter eine "An"- Einstellung umfasst, in der das empfangene Personalisierungsobjekt automatisch nach Eingang ausgeführt (254) wird.
- 27. Kommunikations-Endgerät (1) gemäß Anspruch 25 oder 26, **dadurch gekennzeichnet, dass** das Kommunikations-Endgerät (1) ein Mobil-Telefon mit einem elektronischen Telefonbuch ist, wobei die Anwendung weiter eine Einstellung umfasst, in der das empfangene Personalisierungsobjekt für ausgewählte Telefonnummern in dem Telefonbuch (23) nicht ausgeführt wird.
- 28. Kommunikations-Endgerät (1) gemäß einem Anspruch 25 bis 27, **dadurch gekennzeichnet, dass** das Kommunikations-Endgerät (1) ein Mobil-Telefon mit einem elektronischen Telefonbuch (23) ist, wobei die Anwendung weiter eine Einstellung umfasst, in der das empfangene Personalisierungsobjekt nur ausgeführt wird, wenn die Anschlusskennung (CLI) in dem Telefonbuch (23) vorhanden ist.
- 29. Kommunikations-Endgerät (1) gemäß Anspruch 25 bis 28, **dadurch gekennzeichnet, dass** die Anwendung eine Routine umfasst, um das übertragene Personalisierungsobjekt zu identifizieren.
- 30. Kommunikations-Endgerät (1) gemäß Anspruch 25 bis 29, **dadurch gekennzeichnet, dass** die Anwendung eine Routine umfasst, um die Art des übertragenen Personalisierungsobjekts beim Erkennen eines übertragenen Personalisierungsobjekts zu analysieren.
- 31. Kommunikations-Endgerät (1) gemäß Anspruch 25 bis 30, **dadurch gekennzeichnet, dass** die Anwendung eine Routine umfasst, um einen Hinweis (149)

über das übertragene Personalisierungsobjekt in der Anzeige (3) des KommunikationsEndgeräts anzuzeigen.

- 32. Kommunikations-Endgerät (1) gemäß einem der Ansprüche 25 bis 31, **dadurch gekennzeichnet, dass** das übertragene Personalisierungsobjekt eine elektronische Darstellung eines Personalisierungsobjekts einschließt, wobei die Anwendung eine Routine zum automatischen Verwenden des Personalisierungsobjekts in dem angerufenen Kommunikations-Endgerät (1) umfasst, um das Personalisierungsobjekt in dem Kommunikations-Endgerät (1) anzuzeigen, abzuspielen, zu speichern oder auf irgend eine andere Weise zu nutzen.
- 33. Kommunikations-Endgerät (1) gemäß einem der Ansprüche 25 bis 32, wobei das Endgerät (1) ein Mobil-Telefon ist und das Personalisierungsobjekt einen Klingelton (75) einschließt, wobei die Anwendung eine Routine umfasst, um auf eine Anforderung des Anwenders hin den empfangenen Klingelton automatisch in einer Klingelton-Datenbank zu speichern, und den empfangenen Klingelton als Alarmsignal für die Telefonnummer des sendenden Endgeräts (1) in der Telefonbuch (23) Datenbank einzustellen.
- 34. Kommunikations-Endgerät (1) gemäß einem der Ansprüche 25 bis 33, **dadurch gekennzeichnet, dass** das übertragene Personalisierungsobjekt Textnachrichten (72), Klingeltöne (75), Bilder (73), Animationen (74), Logos, Visitenkarten oder andere Informationen mit einem persönlichen Charakter einschließt.
- 35. Kommunikations-Endgerät (1), das geeignet ist, um während einer Anruf-Einrichtung ein Personalisierungsobjekt an ein angerufenen Kommunikations-Endgerät (1) und/oder während eines Anrufs zu übertragen, das umfasst:
  - einen Prozessor (18), und
  - eine Anwendung zum Handhaben eines abgehenden Personalisierungsobjekts, die auf dem Prozessor läuft,

**dadurch gekennzeichnet, dass**

- die Anwendung eine Vielzahl von Einstellungen (202) aufweist, die vom Anwender einstellbar sind, zum Handhaben des abgehenden Personalisierungsobjekts,
- wobei die Einstellungen mindestens eine "zuerst fragen" -Einstellung umfassen, in der der Anwender eine Gelegenheit hat, zu entscheiden, ob das Personalisierungsobjekt gesendet werden soll oder nicht.

36. Kommunikations-Endgerät (1) gemäß Anspruch 35, **dadurch gekennzeichnet, dass** die Anwendung weiter eine "An"-Einstellung umfasst, in der ein Standard-Personalisierungsobjekt automatisch bei der Anrufeinleitung gesendet wird.

37. Kommunikations-Endgerät (1) gemäß Anspruch 36, **dadurch gekennzeichnet, dass** die Anwendung eine Auswahl-Routine umfasst, um dem Anwender zu gestatten, ein Standard-Personalisierungsobjekt aus einem Menü von vordefinierten Personalisierungsobjekts-Sätzen in dem Kommunikations-Endgerät (1) auszuwählen.

38. Kommunikations-Endgerät (1) gemäß einem der Ansprüche 35 bis 37, **dadurch gekennzeichnet, dass** das Kommunikations-Endgerät (1) ein Mobil-Telefon mit einem elektronischen Telefonbuch (23) ist, wobei die Anwendung weiter eine Einstellung umfasst, in der der Standard-Personalisierungsobjekts-Satz an ausgewählte Telefonnummern oder Gruppen von Telefonnummern in dem Telefonbuch (23) gesendet wird.

39. Kommunikations-Endgerät (1) gemäß einem der Ansprüche 35 bis 38, **dadurch gekennzeichnet, dass** das Kommunikations-Endgerät (1) ein Mobil-Telefon ist, wobei das Standard-Personalisierungsobjekt von der gewählten Nummer abhängt.

40. Kommunikations-Endgerät (1) gemäß einem der Ansprüche 35 bis 39, **dadurch gekennzeichnet, dass** das übertragene Personalisierungsobjekt Textnachrichten (72), Klingeltöne (75), Bilder (73), Animationen (74), Logos, Visitenkarten oder andere Informationen mit einem persönlichen Charakter umfasst.

## Revendications

1. Procédé destiné à permettre à un utilisateur de traiter sur un deuxième terminal (1) de communication un élément de personnalisation (72-75) reçu d'un premier terminal (1) de communication, alors que lesdits terminaux (1) de communication sont en mode d'établissement d'appel ou en mode d'appel, avec pour chacun les étapes consistant à ce que :

- le premier terminal (1) adresse un élément de personnalisation au deuxième terminal (1),
- le deuxième terminal (1) reçoit et mémorise temporairement l'élément de personnalisation,

**caractérisé en ce que**

- le deuxième terminal (1) alerte l'utilisateur à propos de la réception de l'élément de personnalisation et

- permet à l'utilisateur de rejeter (153) ou d'exécuter (151) l'élément de personnalisation reçu dans le deuxième terminal (1).

2. Procédé selon la revendication 1, **caractérisé en ce qu'il** comprend l'étape consistant à afficher une note destinée à alerter l'utilisateur à propos de la réception de l'élément de personnalisation.

3. Procédé selon la revendication 2, **caractérisé en ce qu'il** comprend l'étape consistant à :

- permettre à l'utilisateur de rejeter simultanément (152) l'élément de personnalisation et l'appel incident si l'élément de personnalisation est reçu pendant l'établissement d'un appel.

4. Procédé selon la revendication 2 ou 3, **caractérisé en ce qu'il** comprend l'étape consistant à ce que :

- le deuxième terminal (1) donne à l'utilisateur une possibilité (260) de sauvegarder l'élément de personnalisation dans une mémoire dédiée (261), de préférence après que l'appel soit terminé.

5. Procédé selon la revendication 4, **caractérisé en ce qu'il** comprend l'étape consistant à :

- vérifier que le terminal possède la fonctionnalité associée à l'élément de personnalisation existant (251), avant d'afficher la note (149).

6. Procédé selon l'une quelconque des revendications 2 à 5, **caractérisé en ce qu'il** comprend l'étape consistant à permettre à l'utilisateur de rejeter l'élément de personnalisation avant que l'appel ne soit établi si l'élément de personnalisation est transféré pendant l'établissement d'un appel.

7. Procédé selon l'une quelconque des revendications 2 à 6, **caractérisé en ce qu'il** comprend l'étape consistant à permettre à l'utilisateur d'exécuter l'élément de personnalisation avant que l'appel ne soit établi si l'élément de personnalisation est transféré pendant l'établissement d'un appel.

8. Procédé selon la revendication 1, **caractérisé par les étapes** consistant à :

- recevoir l'élément de personnalisation,
- vérifier que le terminal possède la fonctionnalité associée à l'élément de personnalisation existant (251), et
- exécuter l'élément si la fonctionnalité de l'élément est existante (254),

si la position de traitement des éléments de person-

nalisation reçus pendant l'établissement de l'appel du deuxième terminal (1) est "Marche".

9. Procédé selon l'une quelconque des revendications 1 à 8, **caractérisé en ce que** l'élément de personnalisation transféré peut être traité tel qu'il est affiché dans l'affichage (3) de terminal de communication dudit terminal de communication (1) de réception. 5
10. Procédé selon l'une quelconque des revendications 1 à 9, **caractérisé en ce que** l'élément de personnalisation transféré peut être traité tel qu'il est lu sur ledit terminal de communication (1) de réception. 10
11. Procédé selon l'une quelconque des revendications 1 à 10, **caractérisé en ce que** l'élément de personnalisation transféré peut être traité tel qu'il est mémorisé dans une mémoire dédiée ou une mémoire temporaire dudit terminal (1) de communication de réception, l'élément de personnalisation transféré pouvant être ensuite effacé. 15 20
12. Procédé selon l'une quelconque des revendications 1 à 11, **caractérisé en ce que** l'élément de personnalisation transféré peut être affecté comme sonnerie d'appel d'identification de ligne appelante (CLJ) vis-à-vis du numéro de téléphone d'origine dans le répertoire téléphonique (23) du terminal (1) de communication de réception. 25 30
13. Procédé selon l'une quelconque des revendications 1 à 12, **caractérisé en ce que** l'élément de personnalisation transféré peut être mémorisé comme icône d'identification de ligne appelante qui est transférée au terminal (1) de communication appelant connecté à chaque identification de ligne appelante. 35 40
14. Procédé selon l'une quelconque des revendications 1 à 13, **caractérisé en ce que** le deuxième terminal (1) de communication peut être agencé de manière à accepter ou à rejeter un quelconque élément de personnalisation transféré à partir de numéros de téléphone sélectionnés dans le répertoire téléphonique (23) du deuxième terminal (1) de communication. 45
15. Procédé selon l'une quelconque des revendications 1 à 14, **caractérisé en ce que** le deuxième terminal (1) de communication peut être agencé de manière à n'accepter l'élément de personnalisation transféré que si l'identification de ligne appelante (CLJ) est présente dans le répertoire téléphonique (23) du terminal (1) de communication de réception. 50
16. Procédé selon l'une quelconque des revendications 1 à 15, **caractérisé en ce que** l'élément de personnalisation contient des messages de texte (72), des sonneries d'appel (75), des images (73), des anima-

tions (74), des logos, des cartes de visite ou autres informations à caractère personnel.

17. Procédé selon l'une quelconque des revendications 1 à 16, **caractérisé en ce qu'une** note (149) à propos de l'élément de personnalisation est affichée sur l'affichage (3) du terminal (1) de communication.
18. Procédé destiné à permettre à un utilisateur de transférer un élément de personnalisation d'un premier terminal (1) de communication à un deuxième terminal (1) de communication, alors que les terminaux de communication sont en mode d'établissement d'appel ou en mode d'appel, avec pour chacun les étapes consistant à :

- lancer un appel à partir du premier terminal (220),

**caractérisé en ce que**

- le premier terminal (1) comporte une pluralité de réglages (202) exécutables par l'utilisateur pour le traitement d'un élément de personnalisation sortant comprenant une position "Demander d'abord" et par l'étape consistant à demander à l'utilisateur si un élément de personnalisation doit ou non être envoyé (221) si la position "Demander d'abord" du premier terminal (1) est active.

19. Procédé selon la revendication 18, **caractérisé par** l'étape consistant à transférer un élément de personnalisation pour chaque appel lancé par le premier terminal (1) de communication, l'élément de personnalisation à transférer étant de préférence un élément de personnalisation par défaut (222) pour tous les appels ayant pour origine le deuxième terminal (1) de communication ou l'élément de personnalisation à transférer étant sélectionné (223) par l'utilisateur à partir d'un menu d'ensembles d'éléments de personnalisation prédéfinis dans ledit premier terminal (1) de communication pour chaque appel ayant pour origine le deuxième terminal (1) de communication.
20. Procédé selon la revendication 18 ou 19, **caractérisé en ce que** l'ensemble d'éléments de personnalisation par défaut dépend du numéro composé.
21. Procédé selon la revendication 18, **caractérisé en ce que** le premier terminal possède une position destinée à sélectionner un ou plusieurs groupes de récepteurs auxquels doit être adressé un élément de personnalisation, le premier terminal (1) vérifiant que le deuxième terminal appartient à un groupe de récepteurs (81-85) auxquels doit être adressé un élément de personnalisation et, si cette vérification

est positive, à adresser un élément de personnalisation.

22. Procédé selon la revendication 21, **caractérisée en ce qu'un élément de personnalisation est affecté à des numéros de téléphone ou à des groupes de numéros de téléphone (80, 82-84) auxquels ils doivent être adressés.**

23. Procédé selon l'une quelconque des revendications 18 à 22, **caractérisé en ce que** l'élément de personnalisation contient des messages de texte (72), des sonneries d'appel (75), des images (73), des animations (74), des logos, des cartes de visite ou autres informations à caractère personnel.

24. Terminal (2) de communication capable de traiter un élément de personnalisation transféré d'un terminal (1) de communication appelant si lesdits terminaux sont en mode d'établissement d'appel ou en mode d'appel, comprenant :

- un processeur (18), et
- une application adaptée à traiter un élément de personnalisation incident, en fonctionnant sur ledit processeur,
- l'application étant adaptée à mémoriser temporairement l'élément de personnalisation reçu,

**caractérisé en ce que**

- l'application comporte une pluralité de réglages (202) exécutables par l'utilisateur pour le traitement de l'élément de personnalisation incident, dans lequel les réglages comprennent une position "demander d'abord" dans laquelle l'utilisateur a une possibilité (253) de décider pour chaque transmission si l'élément de personnalisation reçu doit ou non être exécuté.

25. Terminal (1) de communication selon la revendication 24, **caractérisé en ce que** l'application est adaptée à donner à l'utilisateur une possibilité de sauvegarder l'élément de personnalisation dans une mémoire dédiée, de préférence après que l'appel se soit terminé.

26. Terminal (1) de communication selon la revendication 25, **caractérisé en ce que** l'application comprend en outre une position "Marche" dans laquelle l'élément de personnalisation reçu est automatiquement exécuté (254) à la réception.

27. Terminal (1) de communication selon la revendication 25 ou 26, **caractérisé en ce que** le terminal (1) de communication est un téléphone mobile avec un répertoire téléphonique électronique (23), dans lequel l'application comprend en outre une position

dans laquelle l'élément de personnalisation reçu n'est pas exécuté pour des numéros de téléphones sélectionnés dans le répertoire téléphonique (23).

5 28. Terminal (1) de communication selon l'une quelconque des revendications 25 à 27, **caractérisé en ce que** le terminal (1) de communication est un téléphone mobile avec un répertoire téléphonique électronique (23), dans lequel l'application comprend en outre une position dans laquelle l'élément de personnalisation reçu n'est exécuté que si l'identification de ligne appelante (CLI) est présente dans le répertoire téléphonique (23).

10 29. Terminal (1) de communication selon l'une des revendications 25 à 28, **caractérisé en ce que** l'application comprend un programme d'identification de l'élément de personnalisation transféré.

15 30. Terminal (1) de communication selon l'une des revendications 25 à 29, **caractérisé en ce que** l'application comprend un programme d'analyse du caractère de l'élément de personnalisation transféré lors de la détection d'un élément de personnalisation transféré.

20 31. Terminal (1) de communication selon l'une des revendications 25 à 30, **caractérisé en ce que** l'application comprend un programme d'affichage dans l'affichage (3) de terminal de communication d'une note (149) à propos de l'élément de personnalisation transféré.

25 32. Terminal (1) de communication selon l'une quelconque des revendications 25 à 31, **caractérisé en ce que** l'élément de personnalisation transféré comprend une représentation électronique d'un élément de personnalisation, dans lequel l'application comprend un programme d'utilisation automatique de l'élément de personnalisation dans le terminal (1) de communication appelé dans le but d'afficher, lire, mémoriser ou traiter d'une autre manière l'élément de personnalisation dans le terminal (1) de communication.

30 33. Terminal (1) de communication selon l'une quelconque des revendications 25 à 32, dans lequel le terminal (1) est un téléphone mobile et l'élément de personnalisation comprend une sonnerie d'appel (75), dans lequel l'application comprend un programme de mémorisation automatique, à la demande de l'utilisateur, de la sonnerie d'appel reçue dans une base de données de sonneries d'appel et de détermination de la sonnerie d'appel reçue comme signal d'alerte pour le numéro de téléphone du terminal (1) expéditeur dans la base de données du répertoire téléphonique (23).

34. Terminal (1) de communication selon l'une quelconque des revendications 25 à 33, **caractérisé en ce que** l'élément de personnalisation transféré comprend des messages de texte (72), des sonneries d'appel (75), des images (73), des animations (74), des logos, des cartes de visite ou autres informations à caractère personnel. 5

35. Terminal (1) de communication capable de transférer un élément de personnalisation à un terminal (1) de communication appelé pendant un établissement d'appel et/ou un appel, comprenant : 10

- un processeur (18), et
- une application adaptée à traiter un élément de personnalisation sortant, en fonctionnant sur ledit processeur, 15

**caractérisé en ce que** 20

- l'application comporte une pluralité de réglages (202) exécutables par l'utilisateur pour le traitement de l'élément de personnalisation sortant,
- dans lequel les réglages comprennent au moins une position "demander d'abord" dans laquelle l'utilisateur a une possibilité de décider si l'élément de personnalisation reçu doit ou non être adressé. 25

36. Terminal (1) de communication selon la revendication 35, **caractérisé en ce que** l'application comprend en outre une position "Marche" dans laquelle un élément de personnalisation par défaut est automatiquement adressé lors du lancement d'un appel. 30 35

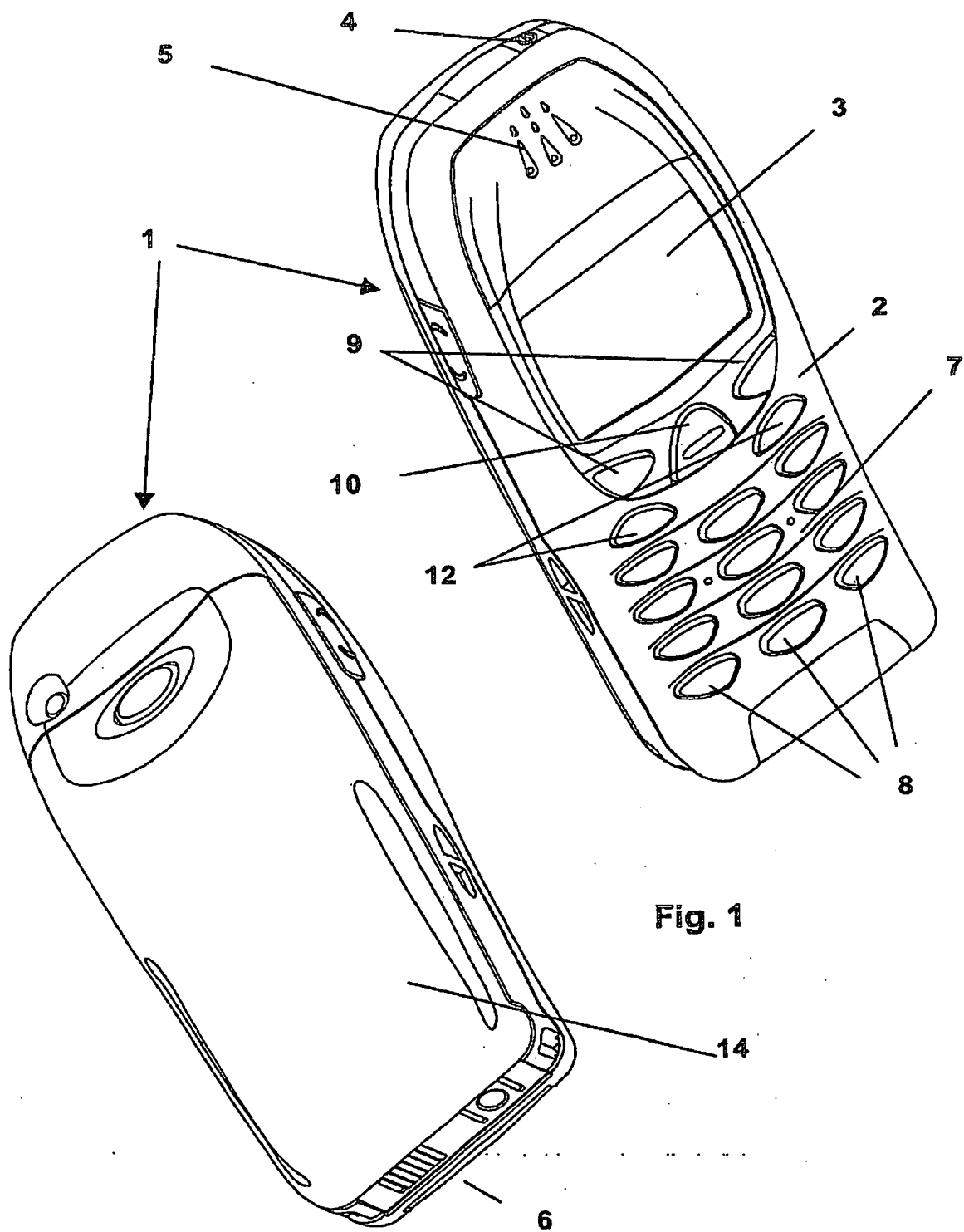
37. Terminal (1) de communication selon la revendication 36, **caractérisé en ce que** l'application comprend un programme de sélection destiné à permettre à l'utilisateur de sélectionner un élément de personnalisation par défaut dans un menu d'ensembles d'éléments de personnalisation prédéfinis dans ledit terminal (1) de communication. 40

38. Terminal (1) de communication selon l'une quelconque des revendications 35 à 37, **caractérisé en ce que** le terminal (1) de communication est un téléphone mobile avec un répertoire téléphonique électronique (23), dans lequel l'application comprend en outre une position dans laquelle l'élément de personnalisation par défaut est adressé à des numéros de téléphone ou des groupes de numéros de téléphone dans le répertoire téléphonique (23). 45 50

39. Terminal (1) de communication selon l'une quelconque des revendications 35 à 38, **caractérisé en ce que** le terminal (1) de communication est un téléphone mobile, dans lequel l'élément de personnalisation par défaut dépend du numéro composé. 55

sation par défaut dépend du numéro composé.

40. Terminal (1) de communication selon l'une quelconque des revendications 35 à 39, **caractérisé en ce que** l'élément de personnalisation contient des messages de texte (72), des sonneries d'appel (75), des images (73), des animations (74), des logos, des cartes de visite ou autres informations à caractère personnel.



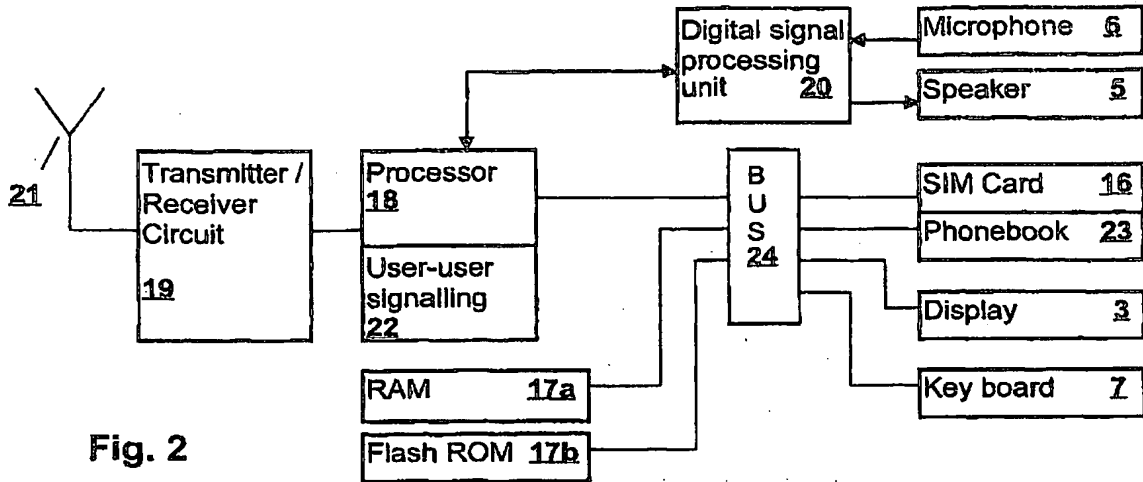


Fig. 2

8	7	6	5	4	3	2	1	Octet
User-user								
0	1	1	1	1	1	1	0	1
Information element Identifier								
Length of user-user content								2
Protocol discriminator								3
User information								4 etc

User-user information element

Fig. 3

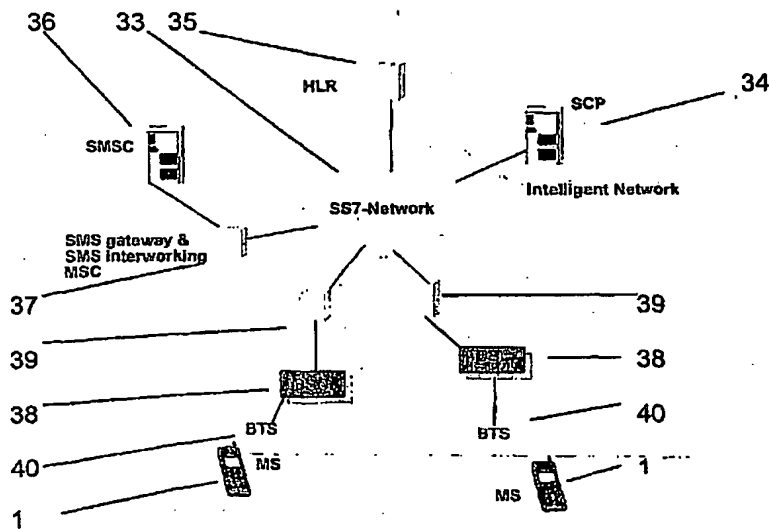
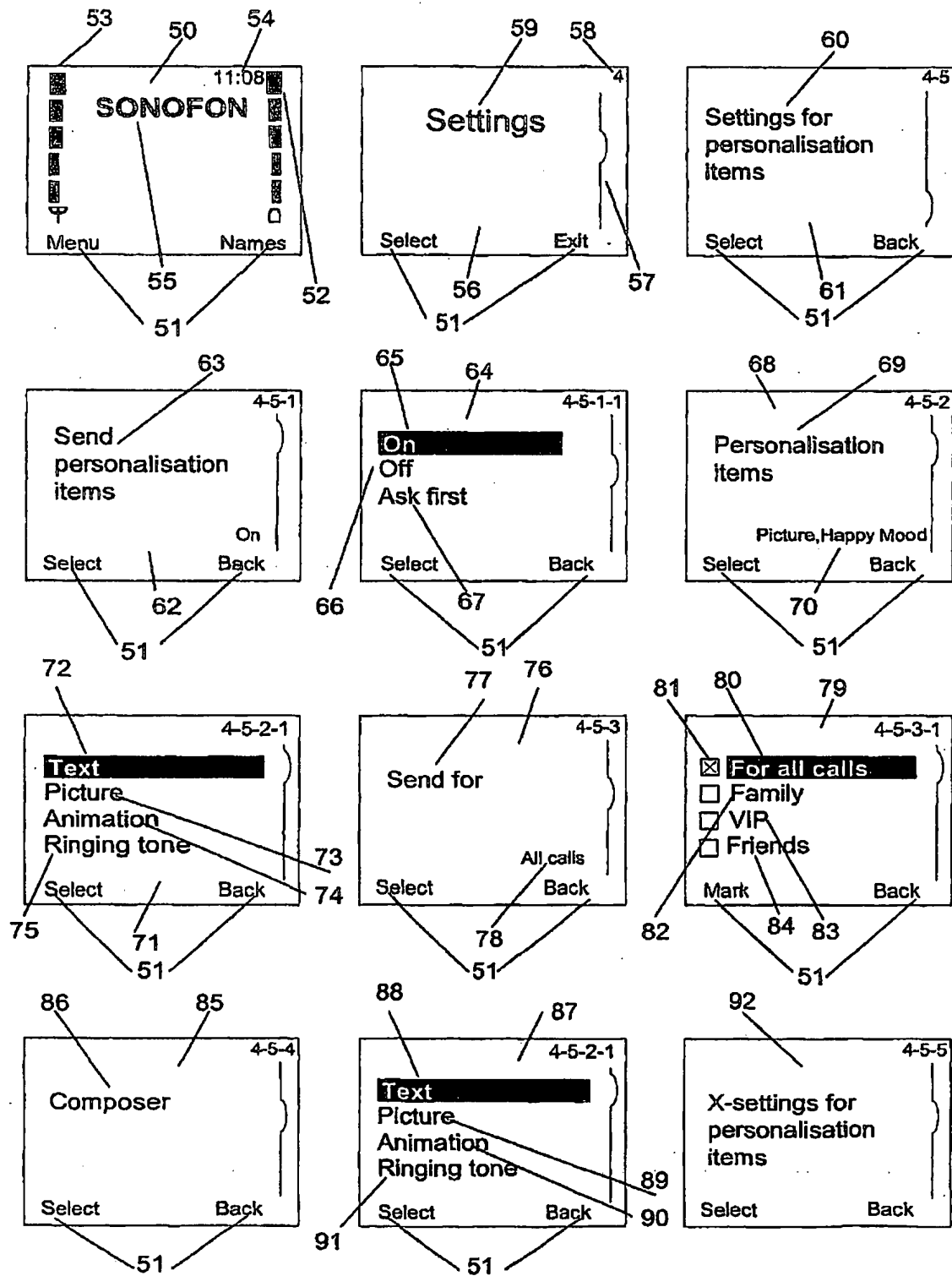


Fig. 4

Fig. 5a



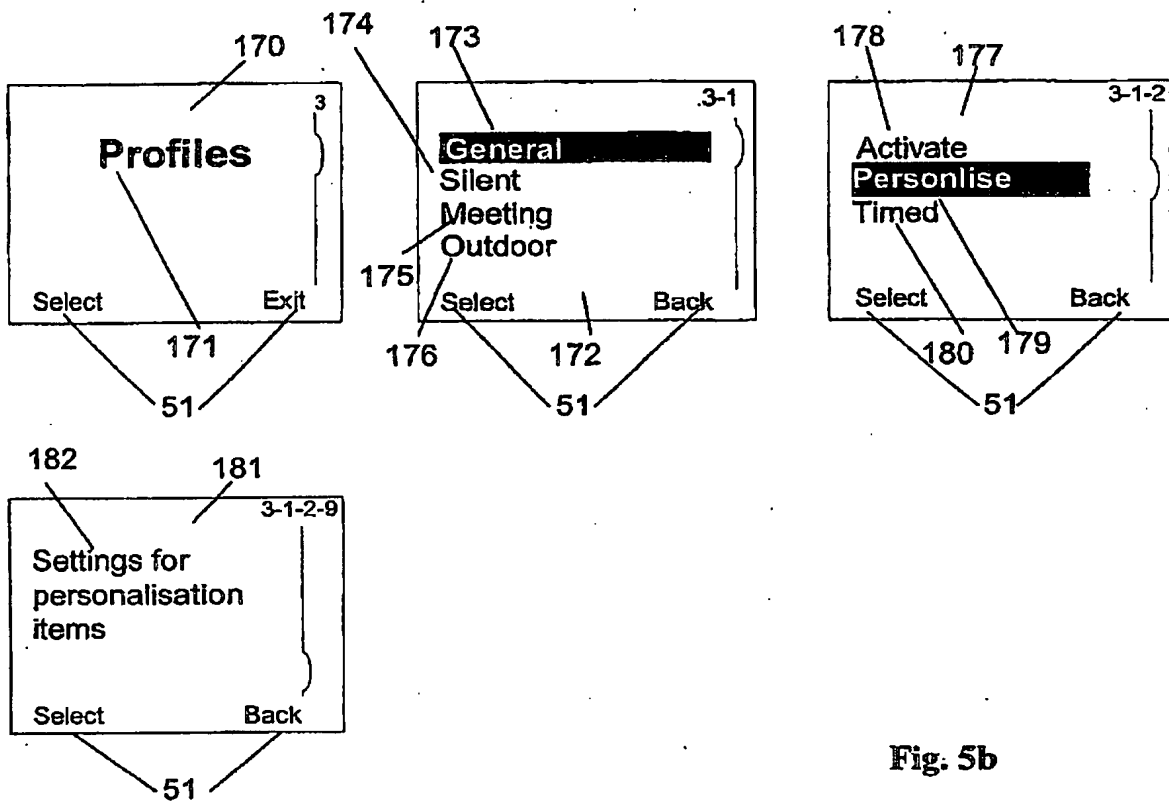


Fig. 5b

Fig. 6

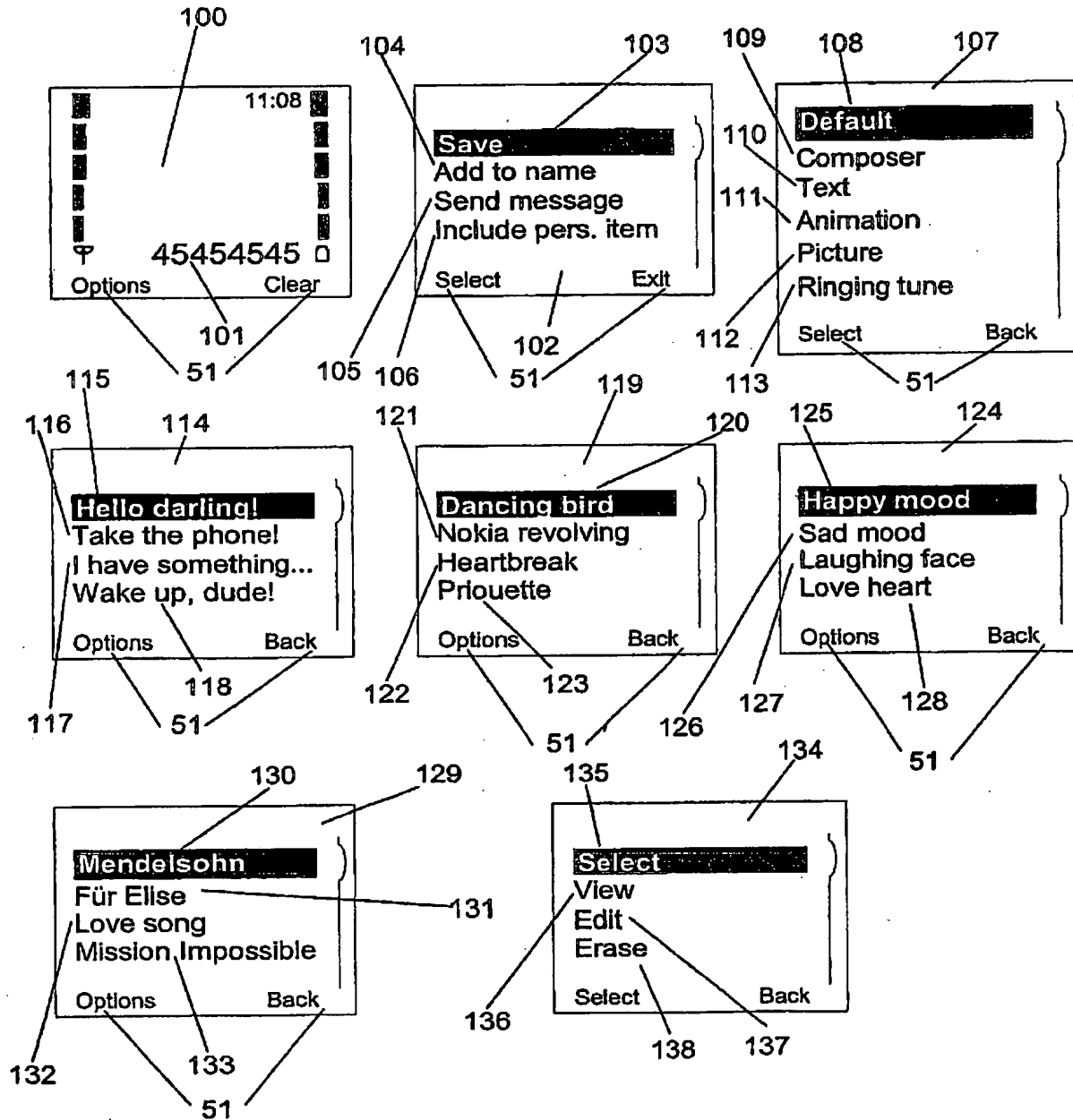


Fig. 7

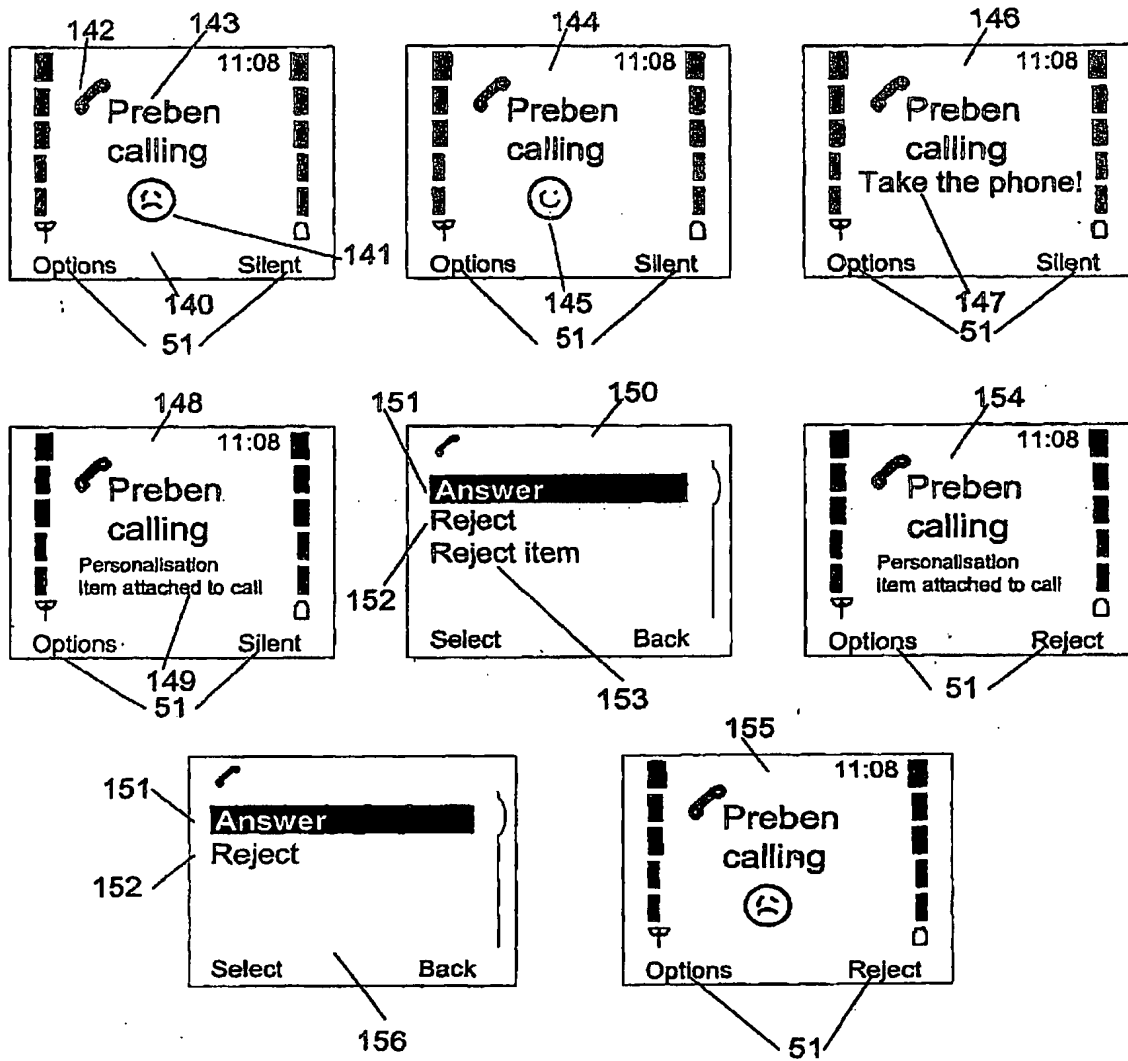


Fig. 8

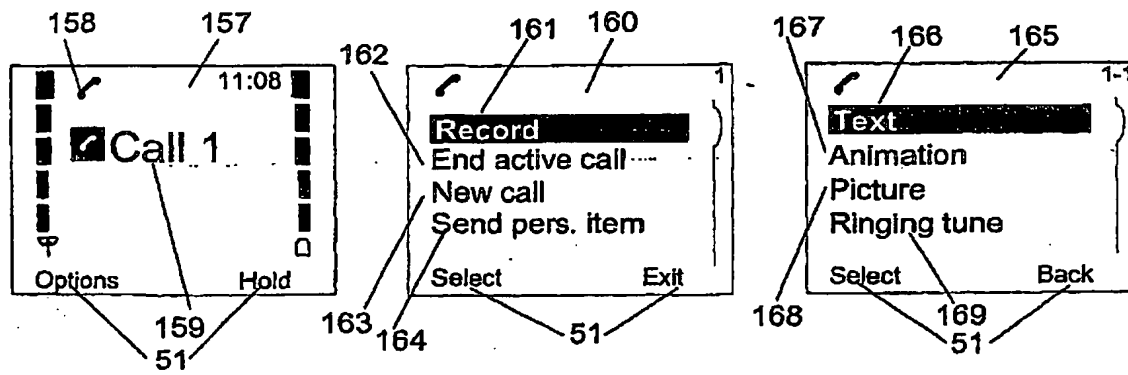


Fig. 9a

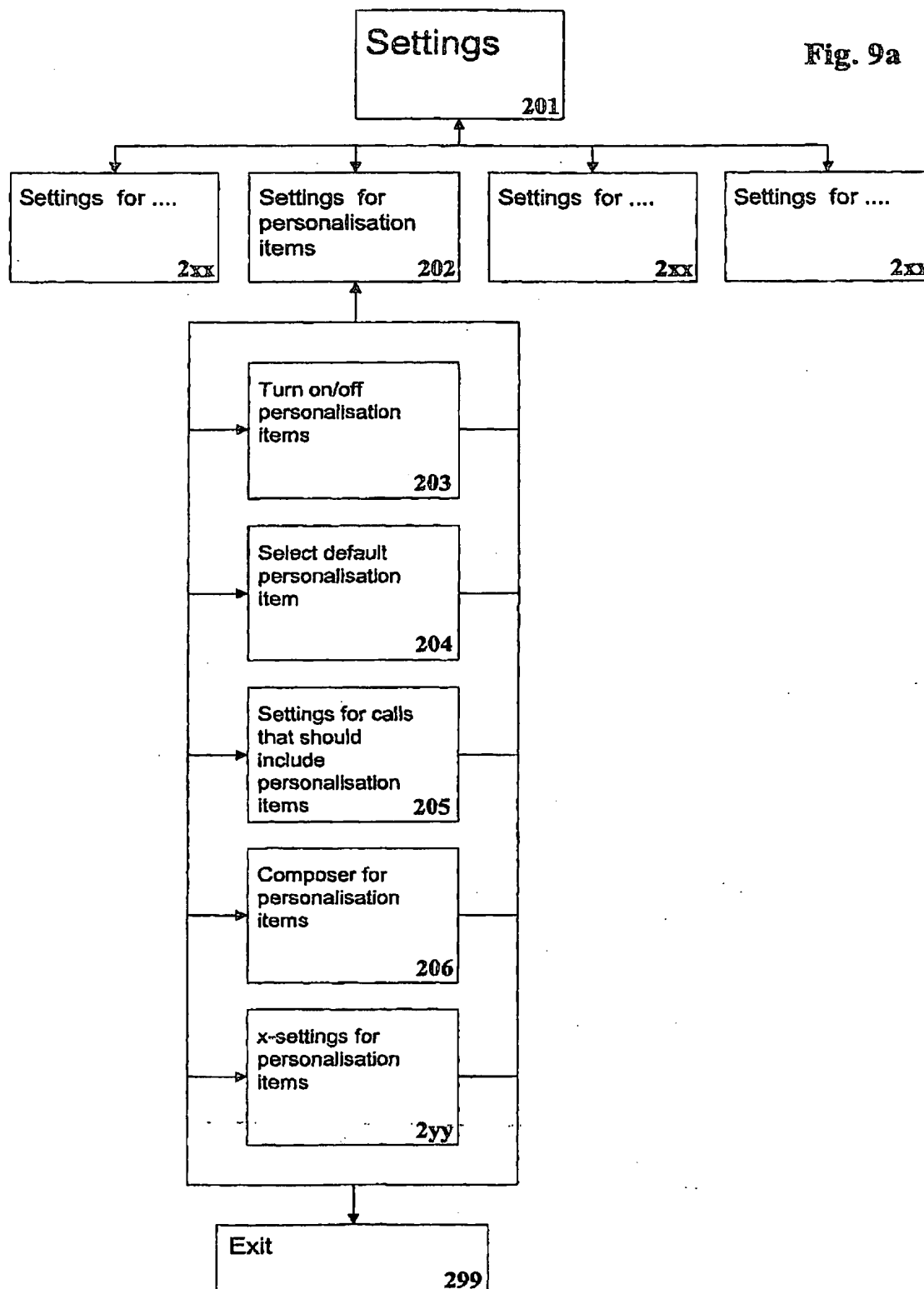


Fig. 9b

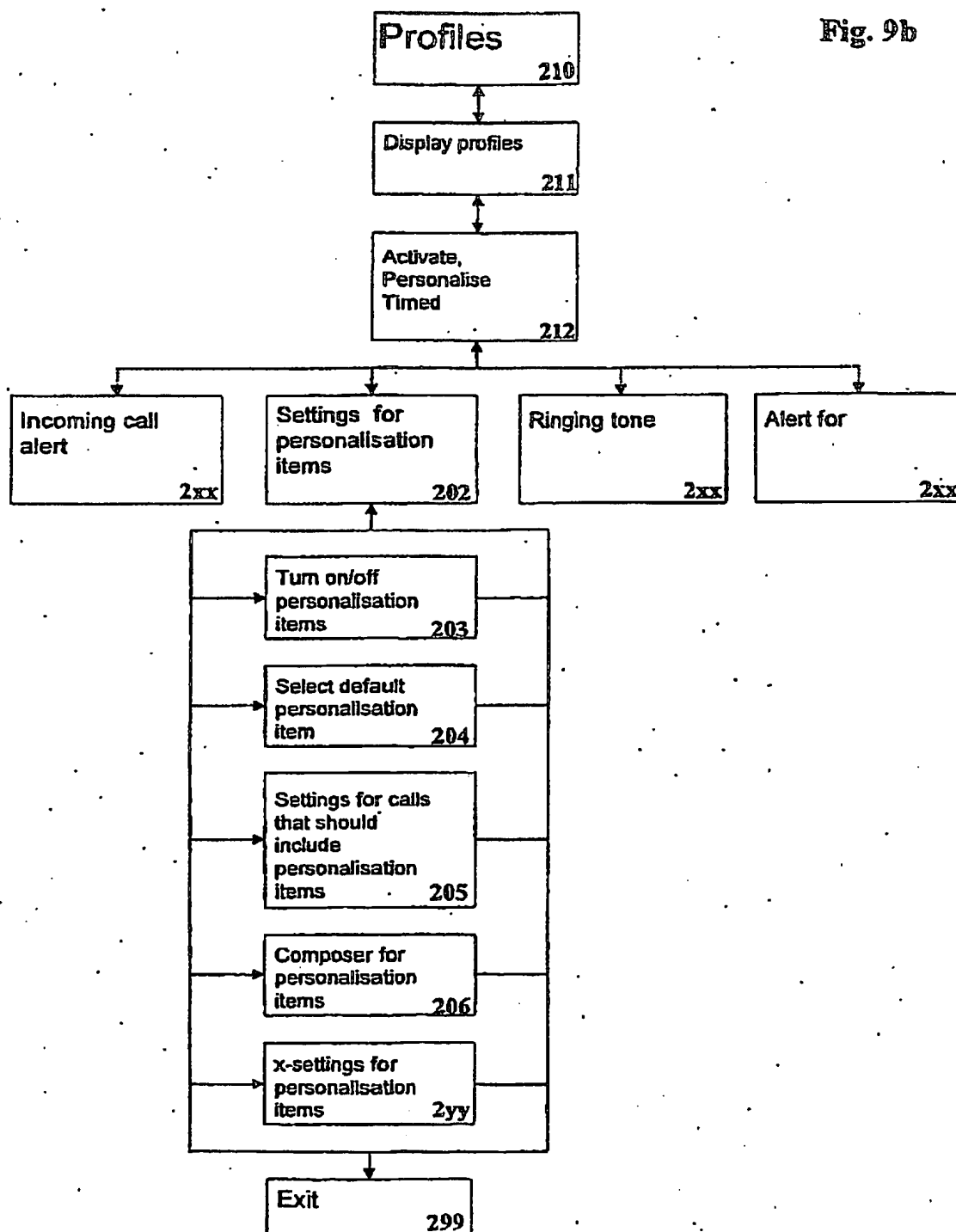


Fig. 10

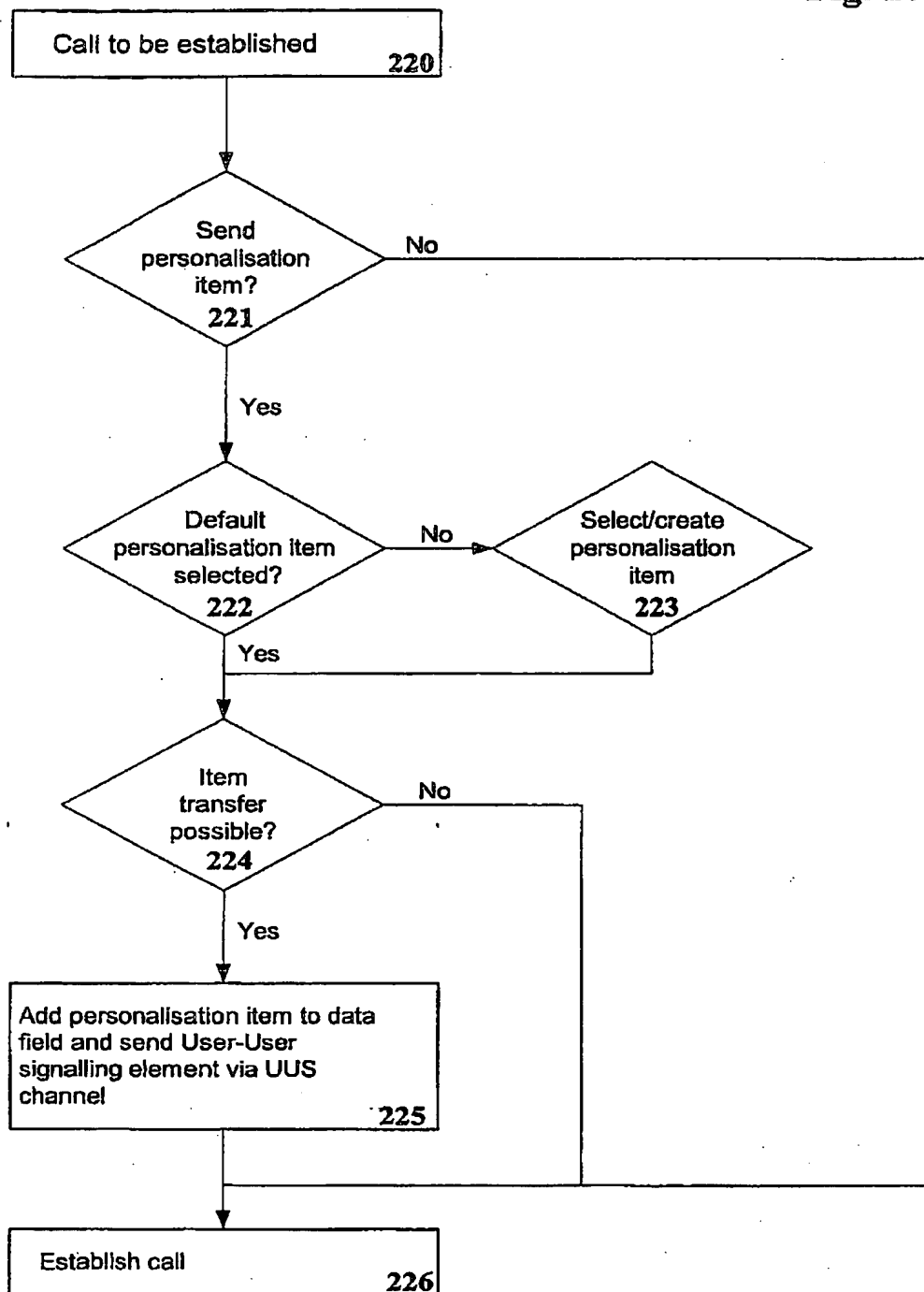


Fig. 11

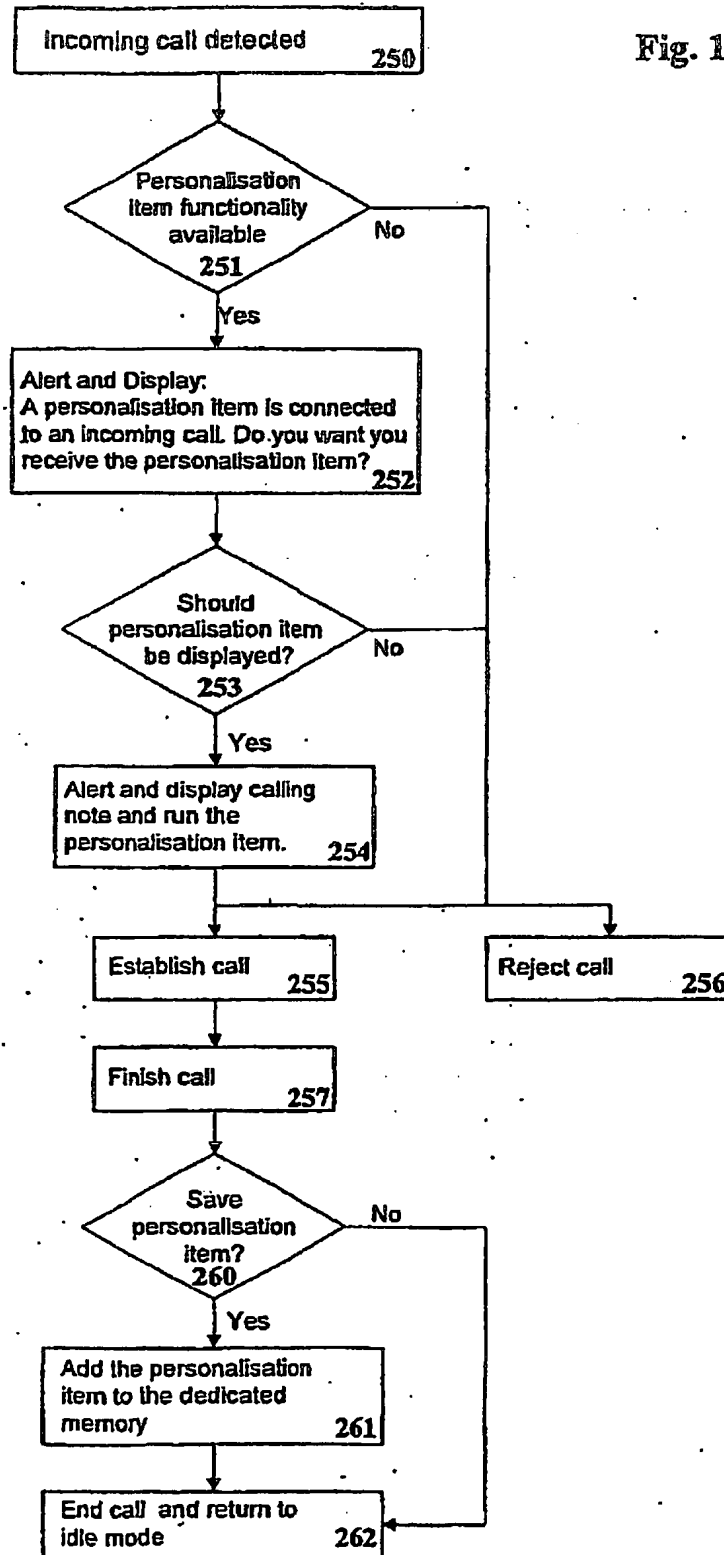
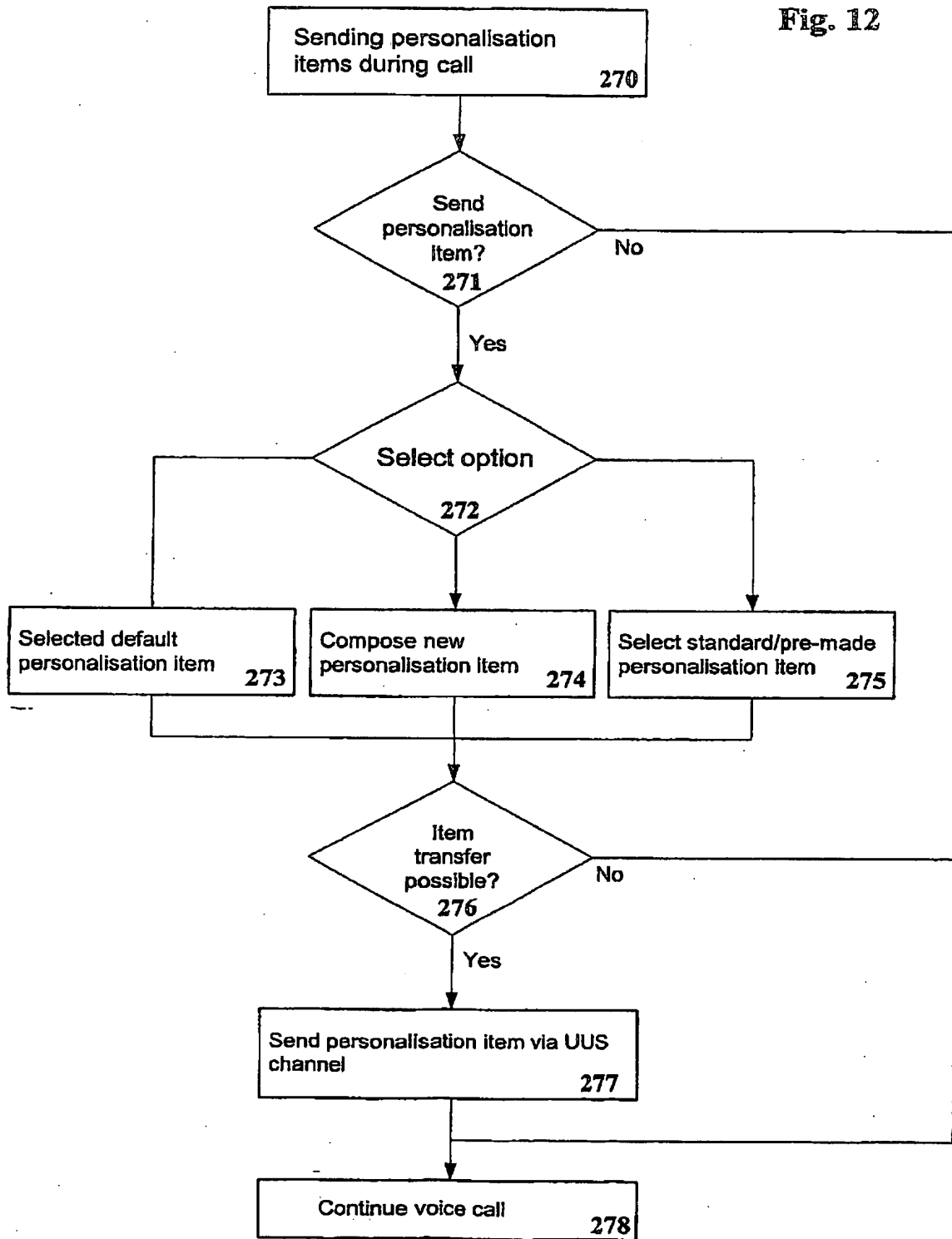


Fig. 12



**Fig. 13**

